

(C) QUESTEL 1994
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Last connection: 26/03/09 15*03*09

02/04/09 20*43*54

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FILE PLUSPAT

QUESTEL - Time in minutes : 0 , 81
The cost estimation below is based on Questel's
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Estimated cost : 1.02 USD
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Estimated total session cost : 1.02 USD

Selected file: PLUSPAT

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Abstracts/Titles in English , French & German. Increased standardization
of Assignee/Inventor names. Added cited ref's BE , CH , NL , TR , AU , & JPB
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Last update of file: 2009/03/27 (YYYY/MM/DD) 2009-13/UP (last update)

Search statement 1

Search?1 - US5401305/PN - 1

** SS 1: Results 1

Search statement 2

PRT FULL NONSTOP LEGALLALL

1 / 1 PLUSPAT - Worldwide Patents -



©Questel

US5401305 (A) Coating composition for glass

PN US5401305 A 19950328 [US5401305]

TI (A) Coating composition for glass

PA (A) ATOCHEM NORTH AMERICA ELF (US)

PA0 Elf Atochem North America, Inc., Philadelphia PA [US]

IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

AP US10412593 19931213 [1993US-0104125]

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FD	US814352 19911227 [1991US-0814352] (Abandoned) C.I.P. of US814366 19911226 [1991US-0814366] (Abandoned)
PR	US10412593 19931213 [1993US-0104125] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
IC	(A) C09D-005/00
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
PCL	ORIGINAL (O) : 106287100; CROSS-REFERENCE (X) : 106287130 106287140 106287150 106287160
DT	Corresponding document
CT	US4227929 [US4227929] 106001170 JP57-34164 [JP57034164] C08K-003/08 JP58-189263 [JP58189263] C09D-003/82 -SU833649 [SU-833649] C03C-017/30
STG	(A) United States patent
AB	A composition for coating glass by chemical-vapor deposition comprises a mixture of a tin oxide precursor monobutyltin trichloride, a silicon dioxide precursor tetraethylorthosilicate, and an accelerant such as triethyl phosphite; the composition is gaseous below 200 DEG C., and permits coating glass having a temperature from 450 DEG to 650 DEG C. at deposition rates higher than 350 ANGSTROM/sec. The layer of material deposited can be combined with other layers to produce an article with specific properties such as controlled emissivity, refractive index, abrasion resistance, or appearance.

1 / 1 LGST - Legal Status - ©EPO

US5401305 19931220 US/AS02A [NMC]ASSIGNMENT OF ASSIGNOR'S INTERESTOWNER: DIRKX, RYAN ...

PN US5401305 A 19950328 [US5401305](A) Patent**AP** US10412593 19931213 [1993US-0104125]**PUB** 19931213 US-API [POS; EXM]

FILING DETAILS

US10412593 19931213 [1993US-0104125]

19950328 US-A [POS; EXM]

Patent

US5401305 A 19950328 [US5401305]

ACT 19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: DIRKX, RYAN R.; EFFECTIVE DATE: 19930212

19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: FLORCZAK, GLENN P.; EFFECTIVE DATE: 19930211

19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: RUSSO, DAVID A.; EFFECTIVE DATE: 19930210

19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: ELF ATOCHEM NORTH AMERICA, INC. 2000 MARKET STREET; EFFECTIVE DATE: 19930210

19960423 US/RF-A [OPP]

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19951017

19990518 US/RF-A [OPP]

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19990407

20000725 US/AS-A [NMC]

ASSIGNMENT

OWNER: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA 2; EFFECTIVE DATE: 20000619

CHANGE OF NAME;ASSIGNOR:ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF
PENNSYLVANIA;REEL/FRAME:011007/0001

20041115 US/AS-A [NMC]

ASSIGNMENT

OWNER: ARKEMA INC. 2000 MARKET STREETPHILADELPHIA, PENNSY; EFFECTIVE DATE: 20041004

CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC. /AR;REEL/FRAME:015394/0628

20041115 US/AS-A [NMC]

ASSIGNMENT

OWNER: ARKEMA INC., PENNSYLVANIA; EFFECTIVE DATE: 20041004

CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC.;REEL/FRAME:015394/0628

LEG

NMC

Alive

UP

2009-10

1 / 1 CRXX - US Claims Reassignments -

©CLAIMS/RX

US5401305 19951017 REISSUE REQUESTEDISSUE DATE OF O.G.: 19960423REISSUE REQUEST NUMBER...

PN  5,401,305 A 19950328 [US5401305]

PA Elf Atochem North America Inc

ACT 19951017 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19960423

REISSUE REQUEST NUMBER: 08/544212

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1108

Reissue Patent Number:

19990407 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19990518

REISSUE REQUEST NUMBER: 09/287664

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1755

Reissue Patent Number:

20000725 REASSIGNED

CHANGE OF NAME

Assignor: ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF PENNSYLVANIA, DATE SIGNED: 06/19/2000

Assignee: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA, 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA, 19103

Reel 011007/Frame 0001

Contact: ATOFINA CHEMICALS, INC., MARY G. FAY, PATENT DEPARTMENT, 2000 MARKET STREET, 26TH FLOOR, PHILADELPHIA, PENNSYLVANIA 19103-3222

20041115 REASSIGNED
CHANGE OF NAME

Assignor: ATOFINA CHEMICALS, INC., DATE SIGNED: 10/04/2004

Assignee: ARKEMA INC., 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA, 19103

Reel 015394/Frame 0628

Contact: ARKEMA INC., GILBERT W. RUDMAN, 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103

Search statement 2

FILE INPADOC

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PLUSPAT - Time in minutes : 0 , 30
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Estimated total session cost : 11.21 USD

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Abstracts/Titles in English , French & German. Increased standardization
of Assignee/Inventor names. Added cited refs BE , CH , NL , TR , AU , & JPB
For PlusPat Fact Sheet , Pricing and FAQ , see the Questel website
Last update of file: 2009/03/27 (YYYY/MM/DD) 2009-13/UP (last update)

Search statement 2

Search?2 - FAM US5401305/PN - 63

1 Patent Groups
** SS 2: Results 63

Search statement 3

FAMSTATE NONSTOP**1 / 63 PLUSPAT - Worldwide Patents -****©Questel****AR-248263 (A1) COATING COMPOSITION FOR GLASS****PN** AR248263 A1 19950712 [AR-248263]**STG** (A1) Independent patent application**TI** (A1) COATING COMPOSITION FOR GLASS**OTI** (A1) COMPOSICION GASEOSA A TEMPERATURAS INFERIORES A 200°C A PRESION NORMAL, UTIL PARA FORMAR DEPOSITOS DE OXIDO DE ESTANO Y DE OXIDO DE SILICONA SOBRE EL VIDRIO Y PROCEDIMIENTO PARA FORMARLOS.**PA** (A1) ATOCHEM NORTH AMERICA ELF (US)**IC** (A1) C03C-017/245**LA** SPANISH (SPA)**AP** AR32400792 19921228 [1992AR-0324007]**PR** US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210873 19921221 [1992WO-US10873]

ICAA C03C-017/245 [2006-01 A - I R M EP]**ICCA** C03C-017/23 [2006 C - I R M EP]**DT** Corresponding document**UP** 2004-40

2 / 63 PLUSPAT - Worldwide Patents -**©Questel****ATE186039****PN** AT186039 T 19991115 [ATE186039]**STG** (T) EP Patent valid in AT**OTI** (T) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS**PA** (T) ATOCHEM NORTH AMERICA ELF (US)**IN** (T) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)**IC** (T) C03C-017/245**AP** AT93901245T 19931221 [1993AT-0901245]

PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 2 LEGALI - @EPO

PN	EP0573639 A1 19931215 [EP-573639](A1) Application published with search report EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report EP0573639 B1 19991027 [EP-573639](B1) Patent specification
AP	EP93901245 19921221 [1993EP-0901245]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901245 19921221 [1993EP-0901245] 19931215 EP-A1 [POS; EXM] Application published with search report EP0573639 A1 19931215 [EP-573639] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0573639 A4 19950104 [EP-573639] 19991027 EP-B1 [POS; PIF] Patent specification EP0573639 B1 19991027 [EP-573639]
ACTE	19931215 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950823 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 19950710

19960110 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19960110 EP/RAP3-A [NMC]
APPLICANT CHANGE OF NAME (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19980415 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19991027 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19991027 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: AT 186039 19991115 [ATE186039]
19991029 EP/REG-A; CH/INV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
19991029 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
19991105 EP/ITF-A [POS; ENP]
IT: TRANSLATION FOR A EP PATENT FILED
OWNER: BARZANO E ZANARDO ROMA S.P.A.
19991202 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69230219 19991202 [DE69230219]
19991203 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20000101 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat: ES 2137984 0 [ES2137984]
20000126 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20000229 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 19991116
AVAILABILITY OF NATIONAL TRANSLATION
20001011 EP/26N-A [POS; OPP]
NO OPPOSITION FILED
20001031 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.
20001229 EP/REG-A; PT/PD4A [NMC]
REFERENCE TO A NATIONAL CODE
PT: CHANGE OF PROPRIETORSHIP
Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR

20010629 EP/REG-A; FR/CA [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF ADDRESS
Corresponding cc: FR
20020101 EP/REG-A; GB/I02 [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
Corresponding cc: GB
20021120 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: MC
PAYMENT DATE: 20021120; PAYMENT YEAR: 11
20031231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20031231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
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Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
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Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
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Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
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Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
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POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) -
TRANSFER TO: ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE

FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
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TO EPO
Corresponding cc: AT
EFFECTIVE DATE: 20051221
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EFFECTIVE DATE: 20051221
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LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
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LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
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20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
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20060701 EP/PG25-A [NEG; RLW]
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TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
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20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
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20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
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NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG: RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
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Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
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Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
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POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070222 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070222; PAYMENT YEAR: 15
20071015 EP/REG-A; CH/PFA [INMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
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PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
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PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
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Corresponding cc: GR
EFFECTIVE DATE: 19991027
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20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG: RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 19991027
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20090130 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH
 PAYMENT DATE: 20081230; PAYMENT YEAR: 17
 20090227 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: BE
 PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG PIF
 Alive
UP 2009-10

2 / 2 LEGALI - ©EPO

PN AT186039 T 19991115 [ATE186039](T) Translation of European patent specification
AP AT93901245T 19921221 [1993AT-0901245]
PUB 19921221 AT-API [POS; EXM]
 FILING DETAILS
 AT93901245T 19921222 [1993AT-0901245]
 19991115 AT-T [POS; EXM]
 Translation of European patent specification
 AT186039 T 19991115 [ATE186039]
ACTE 20000315 AT/UEP-T [POS; EXM; ENP]
 PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION
 20010715 AT/EEFA-T [NMC]
 CHANGE OF THE COMPANY NAME
 20060915 AT/REN-T [NEG; NIF]
 CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE
LEG NIF
 Dead
UP 2006-40

3 / 63 PLUSPAT - Worldwide Patents -

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ATE272582

PN AT272582 T 20040815 [ATE272582]
STG (T) EP Patent valid in AT
OTI (T) BESCHICHTUNGSZUSAMMENSEZTUNG FÜR GLAS
PA (T) ATOFINA CHEM INC (US)
IN (T) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC (T) C03C-017/23 C03C-017/245
AP AT99106266T 19921221 [1999AT-0106266]
PR US81436691 19911226 [1991US-0814366]
 US81435291 19911227 [1991US-0814352]
ICAA B32B-009/00 [2006-01 A F I R M J P]
 B32B-017/00 [2006-01 A L I R M J P]
 B32B-017/06 [2006-01 A - I R M EP]
 C03C-017/245 [2006-01 A - I R M EP]
 C03C-017/34 [2006-01 A - I R M EP]
 C07F-007/22 [2006-01 A L I R M J P]
 C23C-016/22 [2006-01 A L I R M J P]
 C23C-016/40 [2006-01 A - I R M EP]
ICCA B32B-009/00 [2006 C F I R M J P]
 B32B-017/00 [2006 C L I R M J P]
 B32B-017/06 [2006 C - I R M EP]
 C03C-017/23 [2006 C - I R M EP]
 C03C-017/34 [2006 C - I R M EP]
 C07F-007/00 [2006 C L I R M J P]
 C23C-016/22 [2006 C L I R M J P]
 C23C-016/40 [2006 C - I R M EP]

EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2004-35

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PN AT272582 T 20040815 [ATE272582](T) Translation of European patent specification

AP AT99106266T 19921221 [1999AT-0106266]

PUB 19921221 AT-API [POS; EXM]

FILING DETAILS

AT99106266T 1992122 [1999AT-0106266]
20040815 AT-T [POS; EXM]
Translation of European patent specification
AT272582 T 20040815 [ATE272582]

ACTE 20050215 AT/UEP-T [POS; EXM; ENP]

PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION

Corresponding Pat: EP 0927706 0 [EP-927706]

20060915 AT/REN-T [NEG; NIF]

CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE

LEG NIF

Dead

UP 2006-40

4 / 63 PLUSPAT - Worldwide Patents -

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AU9333228 (A) Method for coating glass substrates

PN AU3322893 A 19930728 [AU9333228]

STG (A) Open to public inspection

TI (A) Method for coating glass substrates

PA (A) ATOCHEM NORTH AMERICA ELF

IN (A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P

IC (A) B05D-005/06 C03C-017/245 C23C-016/40

AP AU3322893 19921221 [1993AU-0033228]

PR US81435291 19911227 [1991US-0814352]
US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

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C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245
C03C-017/34D2
C23C-016/40B
ICO M03C-217/152
M03C-217/230
DT Corresponding document

5 / 63 PLUSPAT - Worldwide Patents -

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AU9333229 (A) Coating composition for glass

PN AU3322993 A 19930728 [AU9333229]

STG (A) Open to public inspection

TI (A) Coating composition for glass

PA (A) ATOCHEM NORTH AMERICA ELF

IN (A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P

IC (A) C03C-017/245 C23C-016/40

PN2 AU663559 B2 19951012 [AU-663559]

STG2 (B2) Patent preceeded by A1

T12 (B2) Coating composition for glass

PA2 (B2) ATOCHEM NORTH AMERICA ELF

IN2 (B2) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P

IC2 (B2) C03C-017/245 C23C-016/40

AP AU3322993 19921221 [1993AU-0033229]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

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PN AU3322993 A 19930728 [AU9333229](A) Open to public inspection

AU663559 B2 19951012 [AU-663559](B2) Patent preceeded by A1

AP AU3322993 19921221 [1993AU-0033229]

PUB	19921221 AU-API [POS, EXM] FILING DETAILS AU3322993 19921221 [1993AU-0033229]
	19930728 AU-A [POS, EXM] Open to public inspection AU3322993 A 19930728 [AU9333229]
	19951012 AU-B2 [POS, PIF] Patent preceeded by A1 AU663559 B2 19951012 [AU-663559]
ACTE	20001109 AU/HB-A [NMC] ALTERATION OF NAME IN REGISTER OWNER: ATOFINA CHEMICALS, INC. FORMER NAME WAS: ELF ATOCHEM NORTH AMERICA, INC.
LEG	NMC Alive
UP	2006-34

6 / 63 PLUSPAT - Worldwide Patents -

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AU9333230 (A) Coated glass article

PN	AU323093 A 19930728 [AU9333230]
STG	(A) Open to public inspection
TI	(A) Coated glass article
PA	(A) ATOCHEM NORTH AMERICA ELF
IN	(A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P
IC	(A) B32B-017/06
PN2	AU651754 B2 19940728 [AU-651754]
STG2	(B2) Patent preceeded by A1
TI2	(B2) Coated glass article
PA2	(B2) ATOCHEM NORTH AMERICA ELF
IN2	(B2) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P
IC2	(B2) C03C-017/245 C03C-017/34
AP	AU323093 19921221 [1993AU-0033230]
PR	WOUS9210874 19921221 [1992WO-US10874] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152

M03C-217/230

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PN	AU323093 A 19930728 [AU9333230](A) Open to public inspection
	AU651754 B2 19940728 [AU-651754](B2) Patent preceeded by A1
AP	AU323093 19921221 [1993AU-0033230]
PUB	19921221 AU-API [POS; EXM] FILING DETAILS AU323093 19921221 [1993AU-0033230] 19930728 AU-A [POS; EXM] Open to public inspection AU323093 A 19930728 [AU9333230] 19940728 AU-B2 [POS; PIF] Patent preceeded by A1 AU651754 B2 19940728 [AU-651754]
ACTE	20001109 AU/HB-A [NMC] ALTERATION OF NAME IN REGISTER OWNER: ATOFINA CHEMICALS, INC. FORMER NAME WAS: ELF ATOCHEM NORTH AMERICA, INC.
LEG	NMC Alive
UP	2006-34

7 / 63 PLUSPAT - Worldwide Patents -

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BR9205672

PN	BR9205672 A 19940802 [BR9205672]
STG	(A) Patent Application
OTI	(A) Composição gasosa
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	C03C-017/245 C03C-017/27
AP	BR9205672 19921221 [1992BR-0005672]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

1 / 1 LEGALI - @EPOPN  BR9205672 A 19940802 [BR9205672](A) Patent application

AP BR9205672 19921221 [1992BR-0005672]

PUB 19921221 BR-API [POS; EXM]

FILING DETAILS

BR9205672 19921221 [1992BR-0005672]

19940802 BR-A [POS; PIF]

Patent application

BR9205672 A 19940802 [BR9205672]

ACTE 19960130 BR/EE-A [POS; EXM]

REQUEST FOR EXAMINATION

19990105 BR/FB36-A [NEG; ADM]

TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW

19990713 BR/FF-A [POS; PIF]

DECISION: GRANTING

19990713 BR/HO-A [CCL]

CHANGE OF CLASSIFICATION

INT. CL. 6 C03C 17/245 E C03C 17/27

20000111 BR/FG9A-A [POS; PIF]

PATENT OR CERTIFICATE OF ADDITION GRANTED

20010724 BR/TC-A [NMC]

CHANGE OF PROPRIETOR'S NAME

20010724 BR/TE-A [NMC]

CHANGE OF ADDRESS

LEG NMC

Alive

UP 2009-11

8 / 63 PLUSPAT - Worldwide Patents -

@Questel

BR9205673

PN  BR9205673 A 19940802 [BR9205673]

STG (A) Patent Application

OTI (A) Processo para revestimento de substratos de vidro e processo para produzir sobre vidro uma camada tendo um índice de refração controlado

PA (A) ATOCHEM NORTH AMERICA ELF (US)

IN (A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK

IC (A) C03C-017/245 C03C-017/27

AP BR9205673 19921221 [1992BR-0005673]

PR WOUS9210872 19921221 [1992WO-US10872]

US81435291 19911227 [1991US-0814352]

US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/00 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]
 B32B-017/00 [2006 C - I R M EP]
 C03C-017/23 [2006 C - I R M EP]
 C03C-017/34 [2006 C - I R M EP]
 C07F-007/00 [2006 C L I R M JP]
 C23C-016/22 [2006 C L I R M JP]
 C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
 C03C-017/245
 C03C-017/34D2
 C23C-016/40B

ICO M03C-217/152
 M03C-217/230

DT Corresponding document

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PN  BR9205673 A 19940802 [BR9205673](A) Patent application

AP BR9205673 19921221 [1992BR-0005673]

PUB 19921221 BR-API [POS; EXM]
 FILING DETAILS
 BR9205673 19921221 [1992BR-0005673]
 19940802 BR-A [POS; PIF]
 Patent application
 BR9205673 A 19940802 [BR9205673]

ACTE 19960206 BR/EE-A [POS; EXM]
 REQUEST FOR EXAMINATION
 19990105 BR/FB36-A [NEG; ADM]
 TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW
 19990713 BR/FF-A [POS; PIF]
 DECISION: GRANTING
 19990713 BR/HO-A [CCL]
 CHANGE OF CLASSIFICATION
 INT. CL. 6 C03C 17/245 E C03C 17/27
 20000111 BR/FG9A-A [POS; PIF]
 PATENT OR CERTIFICATE OF ADDITION GRANTED
 20010724 BR/TE-A [NMC]
 CHANGE OF ADDRESS
 20010807 BR/TC-A [NMC]
 CHANGE OF PROPRIETOR'S NAME

LEG NMC
 Alive

UP 2009-11

9 / 63 PLUSPAT - Worldwide Patents -

©Questel

BR9205674

PN  BR9205674 A 19940524 [BR9205674]

STG (A) Patent Application

OTI (A) Artigo de fabricação

PA (A) ATOCHEM NORTH AMERICA ELF (US)

IN (A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK

IC (A) B32B-017/06

AP BR9205674 19921221 [1992BR-0005674]

PR WOUS9210874 19921221 [1992WO-US10874]
 US81435291 19911227 [1991US-0814352]
 US81436691 19911226 [1991US-0814366]

ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 1 LEGALI - @EPO

PN	BR9205674 A 19940524 [BR9205674](A) Patent application
AP	BR9205674 19921221 [1992BR-0005674]
PUB	19921221 BR-API [POS; EXM] FILING DETAILS BR9205674 19921221 [1992BR-0005674] 19940524 BR-A [POS; PIF] Patent application BR9205674 A 19940524 [BR9205674]
ACTE	19990518 BR/EG-A [NEG; OPP] TECHNICAL EXAMINATION (OPINION); PUBLICATION OF TECHNICAL EXAMINATION (OPINION) 20000229 BR/FB36-A [NEG; ADM] TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW 20000905 BR/FF-A [POS; PIF] DECISION: GRANTING 20001128 BR/FG9A-A [POS; PIF] PATENT OR CERTIFICATE OF ADDITION GRANTED 20001128 BR/HO-A [CCJ] CHANGE OF CLASSIFICATION ALTERADA DE INT. CL. 5 B32B 17/06 20010724 BR/TC-A [NMC] CHANGE OF PROPRIETOR'S NAME 20010724 BR/TE-A [NMC] CHANGE OF ADDRESS
LEG	NMC Alive
UP	2009-11

10 / 63 PLUSPAT - Worldwide Patents -

CA2104590 (A1) COATED GLASS ARTICLE	
PN	CA2104590 A1 19930627 [CA2104590]
STG	(A1) Application laid open
TI	(A1) COATED GLASS ARTICLE

OTI	(A1) ARTICLE DE VERRE ENDUIT
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC. (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) C03C-017/245
PN2	CA2104590 C 20070508 [CA2104590]
STG2	(C) Patent
T12	(C) COATED GLASS ARTICLE
OTI2	(C) ARTICLE DE VERRE ENDUIT
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) B32B-009/00 B32B-017/00 B32B-017/06 C03C-017/23 C03C-017/245 C03C-017/34 C07F-007/00 C07F-007/22 C23C-016/22 C23C-016/40
LA	ENGLISH (ENG)
AP	CA2104590 19921221 [1992CA-2104590]
PR	WOUS9210874 19921221 [1992WO-US10874] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] C03C-017/245 [2006-01 A F I B H CA] B32B-017/00 [2006-01 A L I R M JP] B32B-017/02 [2006-01 A L I R M EP] C03C-017/34 [2006-01 A L I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A L I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] C03C-017/23 [2006 C F I B H CA] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C L I R M EP] C03C-017/34 [2006 C L I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C L I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 2 LEGALI - @EPO

PN	WO9312934 A1 19930708 [WO9312934](A1) International publication with international search report
AP	WOUS9210874 19921221 [1992WO-US10874]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210874 19921221 [1992WO-US10874] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312934 A1 19930708 [WO9312934]
ACTE	19930212 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104100 19930212 [1993US-0104100] 19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT

AU BR CA CS HU JP KR NO NZ PL RU US
19930708 WO/AL [POS; ADM]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH
SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
19930806 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: EP 1993901246 [1993EP-0901246]
19930820 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Pat: CA 2104590 [CA2104590]
19930824 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]
19930826 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Appl: SK 91493 [1993SK-0000914]
19931014 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
INTERNATIONAL PUBLICATION
KZ
19931215 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: EP 1993901246 [1993EP-0901246]
19940518 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]
19940609 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
INTERNATIONAL PUBLICATION
UZ
19950524 WO/WWW [NEG; RLW]
WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE
Corresponding Appl: EP 1993901246 [1993EP-0901246]
20020213 WO/WWG [POS; ADM]
WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]

LEG ADM
Alive
UP 2008-29

2 / 2 LEGALI - @EPO

PN CA2104590 A1 19930627 [CA2104590](A1) Application laid open
CA2104590 C 20070508 [CA2104590](C) Patent (second level)
AP CA2104590 19921221 [1992CA-2104590]
PUB 19921221 CA-API [POS; EXM]
FILING DETAILS
CA2104590 19921221 [1992CA-2104590]
19930627 CA-A1 [POS; EXM]
Application laid open
CA2104590 A1 19930627 [CA2104590]
20070508 CA-C [POS; PIF]
Patent (second level)
CA2104590 C 20070508 [CA2104590]
ACTE 19930820 CA/AFNE-A [POS; ENP]
NATIONAL PHASE ENTRY
19991129 CA/EEER-A [POS; EXM]
EXAMINATION REQUEST
LEG EXM
Alive
UP 2006-13

11 / 63 PLUSPAT - Worldwide Patents -

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CA2104591 (A1) COATING COMPOSITION FOR GLASS

PN CA2104591 A1 19930627 [CA2104591]

STG (A1) Application laid open

TI (A1) COATING COMPOSITION FOR GLASS

OTI (A1) COMPOSE DE REVETEMENT POUR VERRE

PA (A1) ATOCHEM NORTH AMERICA ELF (US)

IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A1) C03C-017/00 C23C-030/00

PN2 CA2104591 C 200000314 [CA2104591]

STG2 (C) Patent

T12 (C) COMPOSITION FOR COATING GLASS CONTAINING AN ACCELERANT

OTI2 (C) COMPOSE DE REVETEMENT POUR VERRE

PA2 (C) ATOCHEM NORTH AMERICA ELF (US)

IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC2 (C) C03C-017/245 C23C-016/40

LA ENGLISH (ENG)

AP CA2104591 19921221 [1992CA-2104591]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/02 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/02 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

1 / 2 LEGALI - ©EPO

PN WO9313393 A1 19930708 [WO9313393](A1) International publication with international search report

AP WOUSH9210873 19921221 [1992WO-US10873]

PUB 19921221 WO-API [POS; EXM]

FILING DETAILS

WOUSH9210873 19921221 [1992WO-US10873]

19930708 WO-A1 [POS; EXM]

International publication with international search report

WO9313393 A1 19930708 [WO9313393]

ACTE 19930708 WO/AK [POS; ADM]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AU BR CA CS HU JP KR NO NZ PL RU US
19930708 WO/AL [POS; ADM]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
19930806 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: EP 1993901245 [1993EP-0901245]
19930820 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Pat: CA 2104591 [CA2104591]
19930824 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734]
19930826 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Appl: SK 91393 [1993SK-0000913]
19931014 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION
KZ
19931213 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Doc: US 08104125
19931215 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: EP 1993901245 [1993EP-0901245]
19940518 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734]
19940623 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION
UZ
19991027 WO/WWG [POS; ADM]
WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Corresponding Appl: EP 1993901245 [1993EP-0901245]
20000712 WO/WWG [POS; ADM]
WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734]

LEG ADM
Alive

UP 2008-29

2 / 2 LEGALI - ©EPO

PN  CA2104591 A1 19930627 [CA2104591](A1) Application laid open
 CA2104591 C 20000314 [CA2104591](C) Patent (second level)

AP CA2104591 19921221 [1992CA-2104591]

PUB 19921221 CA-API [POS; EXM]
FILING DETAILS
CA2104591 19921221 [1992CA-2104591]
19930627 CA-A1 [POS; EXM]
Application laid open
CA2104591 A1 19930627 [CA2104591]
20000314 CA-C [POS; PIF]
Patent (second level)
CA2104591 C 20000314 [CA2104591]

ACTE 19930820 CA/AFNE-A [POS; ENP]
NATIONAL PHASE ENTRY
19960617 CA/EER-A [POS; EXM]
EXAMINATION REQUEST

LEG	NIF Dead
UP	2007-08

1 / 63 PLUSPAT - Worldwide Patents -

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CA2104592 (A1) METHOD FOR COATING GLASS SUBSTRATES

PN	CA2104592 A1 19930627 [CA2104592]
STG	(A1) Application laid open
TI	(A1) METHOD FOR COATING GLASS SUBSTRATES
OTI	(A1) METHODE DE REVETEMENT DE SUBSTRATS EN VERRE
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B05D-005/06 C03C-017/245
LA	ENGLISH (ENG)
AP	CA2104592 19921221 [1992CA-2104592]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 2 LEGALI - ©EPO

PN	WO9312892 A1 19930708 [WO9312892](A1) International publication with international search report
AP	WOUS9210872 19921221 [1992WO-US10872]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210872 19921221 [1992WO-US10872] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312892 A1 19930708 [WO9312892]
ACTE	19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US

19930708 WO/AL [POS; ADM]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH
SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
19930806 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: EP 1993901244 [1993EP-0901244]
19930820 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Pat: CA 2104592 [CA2104592]
19930824 WO/WWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733]
19930826 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Appl: SK 91593 [1993SK-0000915]
19931014 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
INTERNATIONAL PUBLICATION
KZ
19931207 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Appl: US 1993 104124 19931207 [1993US-0104124]
19940216 WO/WWF [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: EP 1993901244 [1993EP-0901244]
19940518 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733]
19940609 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
INTERNATIONAL PUBLICATION
UZ
19950524 WO/WWW [NEG: RLW]
WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE
Corresponding Appl: EP 1993901244 [1993EP-0901244]
20000712 WO/WWG [POS; ADM]
WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733]

LEG ADM
Alive
UP 2008-29

2 / 2 LEGALI - ©EPO

PN  CA2104592 A1 19930627 [CA2104592](A1) Application laid open

AP CA2104592 19921221 [1992CA-2104592]

PUB 19921221 CA-API [POS; EXM]
FILING DETAILS
CA2104592 19921221 [1992CA-2104592]
19930627 CA-A1 [POS; EXM]
Application laid open
CA2104592 A1 19930627 [CA2104592]

ACTE 19930820 CA/AFNE-A [POS; ENP]
NATIONAL PHASE ENTRY
19990714 CA/EER-A [POS; EXM]
EXAMINATION REQUEST
20051221 CA/FZDE-A [NEG; NIF]
DEAD

LEG NIF
Dead
UP 2006-44

13 / 63 PLUSPAT - Worldwide Patents -



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CN1074889 (A) COATED ARTICLE

PN CN1074889 A 19930804 [CN1074889]

STG (A) Unexamined application

TI (A) COATED ARTICLE

PA (A) ATOCHEM NORTH AMERICA ELF (US)

IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A) C03C-017/245 C03C-017/34

PN2 CN1041814 C 19990127 [CN1041814C]

STG2 (C) Granted patent

TI2 (C) Coated article

PA2 (C) ATOCHEM NORTH AMERICA ELF (US)

IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC2 (C) C03C-017/245

AP CN92115289 19921226 [1992CN-0115289]

PR WOUS9210872 19921221 [1992WO-US10872]

US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

14 / 63 PLUSPAT - Worldwide Patents -



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CN1074890 (A) Method for coating glass substrates

PN CN1074890 A 19930804 [CN1074890]

STG (A) Unexamined application

TI (A) Method for coating glass substrates

PA (A) ATOCHEM NORTH AMERICA ELF (US)

IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A) C03C-017/245 C03C-017/34

PN2 CN1043988 C 19990707 [CN1043988C]

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STG2	(C) Granted patent
T12	(C) Method for coating glass substrates
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) C03C-017/245
AP	CN92115290 19921226 [1992CN-0115290]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

15 / 63 PLUSPAT - Worldwide Patents -

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CN1074891 (A) COATING COMPOSITION FOR GLASS

PN	CN1074891 A 19930804 [CN1074891]
STG	(A) Unexamined application
TI	(A) COATING COMPOSITION FOR GLASS
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(C) C03C-017/245 C03C-017/34
PN2	CN1041815 C 19990127 [CN1041815C]
STG2	(C) Granted patent
T12	(C) Coating composition for glass
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) C03C-017/245 C03C-017/34
AP	CN92115316 19921226 [1992CN-0115316]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP]

	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

16 / 63 PLUSPAT - Worldwide Patents -

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CZ9301733 (A3) PROCESS OF COATING GLASS SUBSTRATES

PN	CZ9301733 A3 19940518 [CZ9301733]
STG	(A3) Application for patent
TI	(A3) PROCESS OF COATING GLASS SUBSTRATES
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) C23C-016/22 C23C-016/40
AP	CS173393 19921221 [1993CS-0001733]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-08

1 / 1 LEGALI - ©EPO

PN CZ286854 B6 20000712 [CZ-286854](B6) Patent specification

AP CZ173393 19921221 [1993CZ-0001733]

PUB 19921221 CZ-AP1 [POS; EXM]

FILING DETAILS

CZ173393 19921221 [1993CZ-0001733]

20000712 CZ-B6 [POS; PIF]

Patent specification

CZ286854 B6 20000712 [CZ-286854]

ACTE 20000630 CZ/IF00-A [POS; PIF]

In force as of 2000-06-30

20060816 CZ/MM4A-A [NEG; NIF]

Lapse of patent due to failure of payment of fees

EFFECTIVE DATE: 20051221

LEG NIF

Dead

UP 2006-36

17 / 63 PLUSPAT - Worldwide Patents -

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CZ9301734 (A3) MIXTURE FOR COATING GLASS

PN CZ9301734 A3 19940518 [CZ9301734]

STG (A3) Application for patent

TI (A3) MIXTURE FOR COATING GLASS

PA (A3) ATOCHEM NORTH AMERICA ELF (US)

IN (A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A3) C03C-017/23 C03C-017/245 C07F-007/22

AP CS173493 19921221 [1993CS-0001734]

PR WOUS9210873 19921221 [1992WO-US10873]

US81435291 19911227 [1991US-0814352]

US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

UP 2000-08

1 / 1 LEGALI - ©EPO

PN CZ286855 B6 20000712 [CZ-286855](B6) Patent specification

AP CZ173493 19921221 [1993CZ-0001734]

PUB 19921221 CZ-AP1 [POS; EXM]
FILING DETAILS
CZ173493 19921221 [1993CZ-0001734]
20000712 CZ-B6 [POS; PIF]
Patent specification
CZ286855 B6 20000712 [CZ-286855]

ACTE 20000630 CZ/IF00-A [POS; PIF]
In force as of 2000-06-30

LEG PIF
Alive

UP 2003-22

18 / 63 PLUSPAT - Worldwide Patents -

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CZ9301735 (A3) COATED GLASS ARTICLE

PN CZ9301735 A3 19940518 [CZ9301735]

STG (A3) Application for patent

TI (A3) COATED GLASS ARTICLE

PA (A3) ATOCHEM NORTH AMERICA ELF (US)

IN (A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A3) B32B-017/06 C03C-017/02 C03C-017/23 C03C-017/245

AP CS173593 19921221 [1993CS-0001735]

PR WOUS9210874 19921221 [1992WO-US10874]

US81435291 19911227 [1991US-0814352]

US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/00 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/00 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

UP 2000-08

19 / 63 PLUSPAT - Worldwide Patents -

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CZ-289572 (B6) Glass product

PN	CZ289572 B6 20020213 [CZ-289572]
STG	(B6) Patent specification
TI	(B6) Glass product
PA	(B6) ATOFINA CHEMICALS (US)
IN	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B6) C03C-017/245 C03C-017/34
AP	CZ173593 19921221 [1993CZ-0001735]
PR	US81436691 19911226 [1991US-0814366]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
DT	Corresponding document
UP	2002-14

20 / 63 PLUSPAT - Worldwide Patents -

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DE69230219

PN	DE69230219 D1 19991202 [DE69230219]
STG	(D1) Granted EP number in bulletin
OTI	(D1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS
PA	(D1) ATOCHEM NORTH AMERICA ELF (US)
IN	(D1) RUSSO DAVID (US); DIRKX RYAN (US); FLORCZAK GLENN (US)
IC	(D1) C03C-017/245
PN2	DE69230219 T2 20000210 [DE69230219]
STG2	(T2) Trans. Of EP patent
OTI2	(T2) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS
PA2	(T2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(T2) RUSSO DAVID (US); DIRKX RYAN (US); FLORCZAK GLENN (US)
IC2	(T2) C03C-017/245
AP	DE69230219T 19921221 [1992DE-6030219]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2

C23C-016/40B
ICO M03C-217/152
M03C-217/230
DT Corresponding document

1 / 2 LEGALI -@EPO

PN EP0573639 A1 19931215 [EP-573639](A1) Application published with search report

EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report

EP0573639 B1 19991027 [EP-573639](B1) Patent specification

AP EP93901245 19921221 [1993EP-0901245]

PUB 19921221 EP-API [POS; EXM]
FILING DETAILS

EP93901245 19921221 [1993EP-0901245]

19931215 EP-A1 [POS; EXM]

Application published with search report

EP0573639 A1 19931215 [EP-573639]

19950104 EP-A4 [POS; EXM]

Supplementary search report

EP0573639 A4 19950104 [EP-573639]

19991027 EP-B1 [POS; PIF]

Patent specification

EP0573639 B1 19991027 [EP-573639]

ACTE 19931215 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19931215 EP/17P-A [POS; EXM]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19930806

19941228 EP/RHK1-A [CCL]

MAIN CLASSIFICATION (CORRECTION)

C03C-017/245

19950104 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19950104 EP/A4-A [POS; ADM]

SUPPLEMENTARY SEARCH REPORT

EFFECTIVE DATE: 19941115

19950823 EP/17Q-A [POS; EXM]

FIRST EXAMINATION REPORT

EFFECTIVE DATE: 19950710

19960110 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19960110 EP/RAP3-A [NMC]

APPLICANT CHANGE OF NAME (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19980415 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19991027 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991027 EP/REF-A [ENP]

CORRESPONDS TO:

Corresponding Pat AT 186039 19991115 [ATE186039]

19991029 EP/REG-A; CH/NV [NMC]

REFERENCE TO A NATIONAL CODE

CH: NEW AGENT

Corresponding cc: CH

REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE

19991029 EP/REG-A; CH/EP [POS; ENP]

REFERENCE TO A NATIONAL CODE

CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
19991105 EP/ITF-A [POS; ENP]
IT: TRANSLATION FOR A EP PATENT FILED
OWNER: BARZANO' E ZANARDO ROMA S.P.A.
19991202 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69230219 19991202 [DE69230219]
19991203 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20000101 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat: ES 2137984 0 [ES2137984]
20000126 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20000229 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 19991116
AVAILABILITY OF NATIONAL TRANSLATION
20001011 EP/26N-A [POS; OPP]
NO OPPOSITION FILED
20001031 EP/REG-A; CH/PFA [INMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.
20001229 EP/REG-A; PT/PD4A [INMC]
REFERENCE TO A NATIONAL CODE
PT: CHANGE OF PROPRIETORSHIP
Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [INMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20010629 EP/REG-A; FR/CA [INMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF ADDRESS
Corresponding cc: FR
20020101 EP/REG-A; GB/IF02 [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
Corresponding cc: GB
20021120 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: MC
PAYMENT DATE: 20021120; PAYMENT YEAR: 11
20031231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20031231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13

20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
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Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
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POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
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POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) -
TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: AT
EFFECTIVE DATE: 20051221
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20051221 EP/PG25-A [NEG; RLW]
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TO EPO
Corresponding cc: IE
EFFECTIVE DATE: 20051221
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20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: GB
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051222 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO
Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070222 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070222; PAYMENT YEAR: 15
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG: RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 19991027
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG: RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 19991027
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20090130 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20081230; PAYMENT YEAR: 17
20090227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG	PIF
	Alive
UP	2009-10

2 / 2 LEGALI - ©EPO

PN	DE69230219 D1 19991202 [DE69230219](D1) Granted EP number in Bulletin  DE69230219 T2 20000210 [DE69230219](T2) Trans. of EP patent
AP	DE69230219T 19921221 [1992DE-6030219]
PUB	19921221 DE-API [POS; EXM] FILING DETAILS DE69230219T 19921221 [1992DE-6030219] 19991202 DE-D1 [POS; EXM]

Granted EP number in Bulletin
 DE69230219 D1 19991202 [DE69230219]
 20000210 DE-T2 [POS; EXM]
 Trans. of EP patent
 DE69230219 T2 20000210 [DE69230219]

ACTE 20001116 DE/8364-A [POS; OPP]
 NO OPPOSITION DURING TERM OF OPPOSITION
 20061012 DE/8339-A [NEG; NIF]
 CEASED/NON-PAYMENT OF THE ANNUAL FEE

LEG NIF
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UP 2006-41

21 / 63 PLUSPAT - Worldwide Patents -

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DE69233396

PN DE69233396 D1 20040909 [DE69233396]

STG (D1) Granted EP number in bulletin

OTI (D1) Beschichtungszusammensetzung für Glas

PA (D1) ATOFINA CHEM INC (US)

IN (D1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (D1) C03C-017/23 C03C-017/245

PN2 DE69233396 T2 20050113 [DE69233396]

STG2 (T2) Trans. Of EP patent

OTI2 (T2) Beschichtungszusammensetzung für Glas

PA2 (T2) ATOFINA CHEM INC (US)

IN2 (T2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC2 (T2) C03C-017/23 C03C-017/245

AP DE69233396T 19921221 [1992DE-6033396]

PR US81436691 19911226 [1991US-0814366]
 US81435291 19911227 [1991US-0814352]

ICAA B32B-009/00 [2006-01 A F I R M JP]
 B32B-017/00 [2006-01 A L I R M JP]
 B32B-017/06 [2006-01 A - I R M EP]
 C03C-017/245 [2006-01 A - I R M EP]
 C03C-017/34 [2006-01 A - I R M EP]
 C07F-007/22 [2006-01 A L I R M JP]
 C23C-016/22 [2006-01 A L I R M JP]
 C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
 B32B-017/00 [2006 C L I R M JP]
 B32B-017/06 [2006 C - I R M EP]
 C03C-017/23 [2006 C - I R M EP]
 C03C-017/34 [2006 C - I R M EP]
 C07F-007/00 [2006 C L I R M JP]
 C23C-016/22 [2006 C L I R M JP]
 C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
 C03C-017/245
 C03C-017/34D2
 C23C-016/40B

ICO M03C-217/152
 M03C-217/230

DT Corresponding document

UP 2004-37

1 / 2 LEGALI - @EPO

PN EP0927706 A2 19990707 [EP-927706](A2) Application published without search report
 EP0927706 A3 19991229 [EP-927706](A3) Search report
 EP0927706 B1 20040804 [EP-927706](B1) Patent specification

AP EP99106266 19921221 [1999EP-0106266]

PUB 19921221 EP-API [POS; EXM]
FILING DETAILS
EP99106266 19921221 [1999EP-0106266]
19990707 EP-A2 [POS; EXM]
Application published without search report
EP0927706 A2 19990707 [EP-927706]
19991229 EP-A3 [POS; EXM]
Search report
EP0927706 A3 19991229 [EP-927706]
20040804 EP-B1 [POS; PIF]
Patent specification
EP0927706 B1 20040804 [EP-927706]

ACTE 19990707 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 573639 0 [EP-573639]
19990707 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19991229 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20000705 EP/17P-A [POS; EXM]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000508
20010530 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ATOFINA CHEMICALS, INC.
20010926 EP/17Q-A [POS; EXM]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010809
20040804 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 0573639 0 [EP-573639]
20040804 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20040804 EP/REG-A; GB/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT GRANTED
Corresponding cc: GB
20040813 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
20040831 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
20040908 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20040909 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69233396 20040909 [DE69233396]
20041126 EP/PGFPP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041130 EP/REG-A; PT/SC4A [POS: EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 20040914
AVAILABILITY OF NATIONAL TRANSLATION
20041205 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041206 EP/REG-A; DK/T3 [POS: EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20041213 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041216 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat. ES 2221257 0 [ES2221257]
20041217 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS: PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20041231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20041231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER
TO: ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20050520 EP/ET-A [POS: ENP]
FR: TRANSLATION FILED
20050629 EP/26-A [NEG; OPP]

OPPOSITION FILED
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050706 EP/R26-A [NEG; OPP]
OPPOSITION FILED (CORRECTION)
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050901 EP/NLRL1-A [NEG; OPP]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: PPG INDUSTRIES, INC.
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: IE
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
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TO EPO
Corresponding cc: AT
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
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TO EPO
Corresponding cc: GB
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051222 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EP (NEG; RLW)

REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBP-C-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070227; PAYMENT YEAR: 15
20070502 EP/27C-A [POS; OPP]
TERMINATION OF OPPOSITION PROCEDURE
EFFECTIVE DATE: 20061118
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
 20080530 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: IT
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 20080530 EP/PG25-A [NEG; RLW]
 LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
 TO EPO
 Corresponding cc: GR
 EFFECTIVE DATE: 20040804
 LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
 20080829 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: BE
 PAYMENT DATE: 20080314; PAYMENT YEAR: 16
 20090130 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: CH
 PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG PIF
 Alive
UP 2009-06

2 / 2 LEGALI - ©EPO

PN	DE69233396 D1 20040909 [DE69233396](D1) Granted EP number in Bulletin <input checked="" type="checkbox"/> DE69233396 T2 20050113 [DE69233396](T2) Trans. of EP patent
AP	DE69233396T 19921221 [1992DE-6033396]
PUB	19921221 DE-API [POS; EXM] FILING DETAILS DE69233396T 19921221 [1992DE-6033396] 20040909 DE-D1 [POS; EXM] Granted EP number in Bulletin DE69233396 D1 20040909 [DE69233396] 20050113 DE-T2 [POS; EXM] Trans. of EP patent DE69233396 T2 20050113 [DE69233396]
ACTE	20050804 DE/8363-A [NEG; OPP] OPPOSITION AGAINST THE PATENT 20061012 DE/8339-A [NEG; NIF] CEASED/NON-PAYMENT OF THE ANNUAL FEE
LEG	NIF Dead
UP	2006-41

22 / 63 PLUSPAT - Worldwide Patents -

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DK-573639T

PN	<input checked="" type="checkbox"/> DK573639 T3 20000207 [DK-573639T]
STG	(T3) Translations of EP patents
OTI	(T3) Coatingsammensætning til glas
PA	(T3) ATOCHEM NORTH AMERICA ELF (US)
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C03C-017/245 C07F-007/22 G01G-019/02
AP	DK93901245T 19921221 [1993DK-0901245]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS8210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]
 B32B-017/02 [2006-01 A L I R M JP]
 B32B-017/03 [2006-01 A - I R M EP]
 C03C-017/245 [2006-01 A - I R M EP]
 C03C-017/34 [2006-01 A - I R M EP]
 C07F-007/22 [2006-01 A L I R M JP]
 C23C-016/22 [2006-01 A L I R M JP]
 C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
 B32B-017/00 [2006 C L I R M JP]
 B32B-017/06 [2006 C - I R M EP]
 C03C-017/23 [2006 C - I R M EP]
 C03C-017/34 [2006 C - I R M EP]
 C07F-007/00 [2006 C L I R M JP]
 C23C-016/22 [2006 C L I R M JP]
 C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
 C03C-017/245
 C03C-017/34D2
 C23C-016/40B

ICO M03C-217/152
 M03C-217/230

DT Corresponding document

UP 2000-44

23 / 63 PLUSPAT - Worldwide Patents -



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DK-927706T

PN DK927706 T3 20041206 [DK-927706T]

STG (T3) Translations of EP patents

OTI (T3) Belægningspræparerter til glas

PA (T3) ATOFINA CHEM INC (US)

IN (T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (T3) C03C-017/23 C03C-017/245

AP DK99106266T 19921221 [1999DK-0106266]

PR EP93901245 19921221 [1993EP-0901245]

ICAA C03C-017/23 [2006-01 A - I R M EP]

ICCA C03C-017/23 [2006 C - I R M EP]

DT Corresponding document

UP 2004-51

24 / 63 PLUSPAT - Worldwide Patents -



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EP-573639 (A1) COATING COMPOSITION FOR GLASS.

PN EP0573639 A1 19931215 [EP-573639]

STG (A1) Public. Of applic. With search report

TI (A1) COATING COMPOSITION FOR GLASS.

OTI (A1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS.

(A1) COMPOSITION DE REVETEMENT POUR VERRE.

PA (A1) ATOCHEM NORTH AMERICA ELF (US)

PA0 ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia Pennsylvania 19102-3222 (US)

IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A1) C07F-007/22 G01G-09/02

PN2	EP0573639 A4 19950104 [EP-573639]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) COATING COMPOSITION FOR GLASS.
OTI2	(A4) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS. (A4) COMPOSITION DE REVETEMENT POUR VERRE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) C07F-007/22 G01G-019/02
PN3	EP0573639 B1 19991027 [EP-573639]
STG3	(B1) Patent
TI3	(B1) COATING COMPOSITION FOR GLASS
OTI3	(B1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS (B1) COMPOSITION DE REVETEMENT POUR VERRE
PA3	(B1) ATOCHEM NORTH AMERICA ELF (US)
IN3	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC3	(B1) C03C-017/245
LA	ENGLISH (ENG)
AP	EP93901245 19921221 [1993EP-0901245]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Corresponding document

1 / 2 LEGALI - ©EPO

PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report
	EP0927706 A3 19991229 [EP-927706](A3) Search report
	EP0927706 B1 20040804 [EP-927706](B1) Patent specification
AP	EP99106266 19921221 [1999EP-0106266]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266]

19990707 EP-A2 [POS; EXM]
Application published without search report
EP0927706 A2 19990707 [EP-927706]
19991229 EP-A3 [POS; EXM]
Search report
EP0927706 A3 19991229 [EP-927706]
20040804 EP-B1 [POS; PIF]
Patent specification
EP0927706 B1 20040804 [EP-927706]

ACTE 19990707 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 573639 0 [EP-573639]
19990707 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19991229 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20000705 EP/17P-A [POS; EXM]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000508
20010530 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ATOFINA CHEMICALS, INC.
20010926 EP/17Q-A [POS; EXM]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010809
20040804 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 0573639 0 [EP-573639]
20040804 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20040804 EP/REG-A; GB/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT GRANTED
Corresponding cc: GB
20040813 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
20040831 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
20040908 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20040909 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69233396 20040909 [DE69233396]
20041126 EP/PGFPA [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041130 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 20040914
AVAILABILITY OF NATIONAL TRANSLATION
20041205 EP/PGFPA [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041216 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat. ES 2221257 0 [ES2221257]
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20041231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20041231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER
TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20050520 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20050629 EP/26-A [NEG; OPP]
OPPOSITION FILED
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050706 EP/R26-A [NEG; OPP]
OPPOSITION FILED (CORRECTION)
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050901 EP/NLR1-A [NEG; OPP]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: PPG INDUSTRIES, INC.
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: IE
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: AT
EFFECTIVE DATE: 20051221
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Corresponding cc: GB
EFFECTIVE DATE: 20051221
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Corresponding cc: SE
EFFECTIVE DATE: 20051222
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Corresponding cc: LU
EFFECTIVE DATE: 20051231
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20060102 EP/PG25-A [NEG; RLW]
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Corresponding cc: DK
EFFECTIVE DATE: 20060102
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Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
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Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT

Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070227; PAYMENT YEAR: 15
20070502 EP/27C-A [POS; OPP]
TERMINATION OF OPPOSITION PROCEDURE
EFFECTIVE DATE: 20061118
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080829 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20080314; PAYMENT YEAR: 16
20090130 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG PIF
Alive
UP 2009-06

2 / 2 LEGALI -@EPO

PN EP0573639 A1 19931215 [EP-573639](A1) Application published with search report
 EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report
 EP0573639 B1 19991027 [EP-573639](B1) Patent specification

AP EP93901245 19921221 [1993EP-0901245]

PUB 19921221 EP-API [POS; EXM]
FILING DETAILS
EP93901245 19921221 [1993EP-0901245]
19931215 EP-A1 [POS; EXM]
Application published with search report
EP0573639 A1 19931215 [EP-573639]
19950104 EP-A4 [POS; EXM]
Supplementary search report
EP0573639 A4 19950104 [EP-573639]
19991027 EP-B1 [POS; PIF]
Patent specification
EP0573639 B1 19991027 [EP-573639]

ACTE 19931215 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19931215 EP/17P-A [POS; EXM]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19930806

19941228 EP/RHK1-A [CCL]

MAIN CLASSIFICATION (CORRECTION)

C03C-017/245

19950104 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19950104 EP/A4-A [POS; ADM]

SUPPLEMENTARY SEARCH REPORT

EFFECTIVE DATE: 19941115

19950823 EP/17Q-A [POS; EXM]

FIRST EXAMINATION REPORT

EFFECTIVE DATE: 19950710

19960110 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19960110 EP/RAP3-A [NMC]

APPLICANT CHANGE OF NAME (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19980415 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19991027 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991027 EP/REF-A [ENP]

CORRESPONDS TO:

Corresponding Pat: AT 186039 19991115 [ATE186039]

19991029 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
19991029 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
19991105 EP/ITF-A [POS; ENP]
IT: TRANSLATION FOR A EP PATENT FILED
OWNER: BARZANO E ZANARDO ROMA S.P.A.
19991202 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69230219 19991202 [DE69230219]
19991203 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20000101 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat: ES 2137984 0 [ES2137984]
20000126 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20000229 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 19991116
AVAILABILITY OF NATIONAL TRANSLATION
20001011 EP/26N-A [POS; OPP]
NO OPPOSITION FILED
20001031 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.
20001229 EP/REG-A; PT/PD4A [NMC]
REFERENCE TO A NATIONAL CODE
PT: CHANGE OF PROPRIETORSHIP
Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20010629 EP/REG-A; FR/CA [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF ADDRESS
Corresponding cc: FR
20020101 EP/REG-A; GB/IF02 [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
Corresponding cc: GB
20021120 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: MC
PAYMENT DATE: 20021120; PAYMENT YEAR: 11
20031231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO

Corresponding cc: MC
EFFECTIVE DATE: 20031231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC. #2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) -
TRANSFER TO - ARKEMA INC. #2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: AT
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: IE
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GB
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051222 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EPB [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070222 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070222; PAYMENT YEAR: 15
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 19991027
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 19991027
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20090130 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20081230; PAYMENT YEAR: 17
20090227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG	PIF
	Alive
UP	2009-10



PN	EP0573640 A1 19931215 [EP-573640]
STG	(A1) Public. Of applic. With search report
TI	(A1) COATED GLASS ARTICLE.
OTI	(A1) BESCHICHTETER GLASARTIKEL. (A1) ARTICLE DE VERRE ENROBE.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B32B-017/06
PN2	EP0573640 A4 19950104 [EP-573640]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) COATED GLASS ARTICLE.
OTI2	(A4) BESCHICHTETER GLASARTIKEL. (A4) ARTICLE DE VERRE ENROBE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) B32B-017/06
LA	ENGLISH (ENG)
AP	EP93901246 19921221 [1993EP-0901246]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Corresponding document

1 / 1 LEGALI - ©EPO

PN	EP0573640 A1 19931215 [EP-573640](A1) Application published with search report
	EP0573640 A4 19950104 [EP-573640](A4) Supplementary search report
AP	EP93901246 19921221 [1993EP-0901246]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901246 19921221 [1993EP-0901246] 19931215 EP-A1 [POS; EXM]

	Application published with search report EP0573640 A1 19931215 [EP-573640] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0573640 A4 19950104 [EP-573640]
ACTE	19931215 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950802 EP/18W-A [NEG; NIF] WITHDRAWN WITHDRAWAL DATE: 19950524
LEG	NIF Dead
UP	2003-22

26 / 63 PLUSPAT - Worldwide Patents -



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EP-582691 (A1) METHOD FOR COATING GLASS SUBSTRATES.

PN	EP0582691 A1 19940216 [EP-582691]
STG	(A1) Public. Of applic. With search report
TI	(A1) METHOD FOR COATING GLASS SUBSTRATES.
OTI	(A1) VERFAHREN ZUR BESCHICHTUNG VON GLASSUBSTRATEN. (A1) PROCEDE DE RECOUVREMENT DE SUBSTRATS EN VERRE.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B05D-005/06 C23C-016/22 C23C-016/40
PN2	EP0582691 A4 19950104 [EP-582691]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) METHOD FOR COATING GLASS SUBSTRATES.
OTI2	(A4) VERFAHREN ZUR BESCHICHTUNG VON GLASSUBSTRATEN. (A4) PROCEDE DE RECOUVREMENT DE SUBSTRATS EN VERRE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) B05D-005/06 C23C-016/22 C23C-016/40
LA	ENGLISH (ENG)
AP	EP93901244 19930719 [1993EP-0901244]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP]

	C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]	
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/02 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]	
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B	
ICO	M03C-217/152 M03C-217/230	
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
DT	Corresponding document	

1 / 1 LEGALI - @EPO

PN	EP0582691 A1 19940216 [EP-582691](A1) Application published with search report EP0582691 A4 19950104 [EP-582691](A4) Supplementary search report
AP	EP93901244 19930719 [1993EP-0901244]
PUB	19930719 EP-API [POS; EXM] FILING DETAILS EP93901244 19930719 [1993EP-0901244] 19940216 EP-A1 [POS; EXM] Application published with search report EP0582691 A1 19940216 [EP-582691] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0582691 A4 19950104 [EP-582691]
ACTE	19940216 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19940216 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950802 EP/18W-A [NEG; NIF] WITHDRAWN WITHDRAWAL DATE: 19950524
LEG	NIF Dead
UP	2003-22

27 / 63 PLUSPAT - Worldwide Patents -

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EP-927706 (A2) Coating composition for glass

PN	EP0927706 A2 19990707 [EP-927706]
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STG	(A2) Publ. Of applic. Without search report
TI	(A2) Coating composition for glass
OTI	(A2) Beschichtungszusammensetzung für Glas (A2) Composition de revêtement pour le verre
PA	(A2) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) C03C-017/23 C03C-017/245
PN2	EP0927706 A3 19991229 [EP-927706]
STG2	(A3) Publ. Of search report
TI2	(A3) Coating composition for glass
OTI2	(A3) Beschichtungszusammensetzung für Glas (A3) Composition de revêtement pour le verre
PA2	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A3) C03C-017/23 C03C-017/245
PN3	EP0927706 B1 20040804 [EP-927706]
STG3	(B1) Patent
TI3	(B1) Coating composition for glass
OTI3	(B1) Beschichtungszusammensetzung für Glas (B1) Composition de revêtement pour le verre
PA3	(B1) ATOFINA CHEM INC (US)
IN3	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC3	(B1) C03C-017/23 C03C-017/245
LA	ENGLISH (ENG)
AP	EP99106266 19921221 [1999EP-0106266]
PR	EP93901245 19921221 [1993EP-0901245] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
EC	C03C-017/245 C03C-017/34D2
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Basic

1 / 1 LEGALI - CEPO

PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report
	EP0927706 A3 19991229 [EP-927706](A3) Search report
	EP0927706 B1 20040804 [EP-927706](B1) Patent specification
AP	EP99106266 19921221 [1999EP-0106266]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266] 19990707 EP-A2 [POS; EXM] Application published without search report EP0927706 A2 19990707 [EP-927706] 19991229 EP-A3 [POS; EXM]

Search report
EP0927706 A2 19991229 [EP-927706]
20040804 EP-B1 [POS; PIF]
Patent specification
EP0927706 B1 20040804 [EP-927706]

ACTE 19990707 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 573639 0 [EP-573639]
19990707 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19991229 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20000705 EP/17P-A [POS; EXM]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000508
20010530 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ATOFINA CHEMICALS, INC.
20010926 EP/17Q-A [POS; EXM]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010809
20040804 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 0573639 0 [EP-573639]
20040804 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20040804 EP/REG-A; GB/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT GRANTED
Corresponding cc: GB
20040813 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
20040831 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
20040908 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20040909 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69233396 20040909 [DE69233396]
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041130 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 20040914
AVAILABILITY OF NATIONAL TRANSLATION
20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041216 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat: ES 2221257 0 [ES2221257]
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20041231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20041231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER
TO: ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20050520 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20050629 EP/26-A [NEG; OPP]
OPPOSITION FILED
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050706 EP/R26-A [NEG; OPP]
OPPOSITION FILED (CORRECTION)
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050901 EP/INLR1-A [NEG; OPP]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: PPG INDUSTRIES, INC.
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO

Corresponding cc: IE
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: AT
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
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Corresponding cc: GB
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051222 EP/PG25-A [NEG; RLW]
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Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
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Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
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Corresponding cc: DK
EFFECTIVE DATE: 20060102
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20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
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Corresponding cc: DE
EFFECTIVE DATE: 20060701
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20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED

Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT

Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701
20061104 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070227; PAYMENT YEAR: 15
20070502 EP/27C-A [POS; OPP]
TERMINATION OF OPPOSITION PROCEDURE
EFFECTIVE DATE: 20061118
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA
INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080829 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20080314; PAYMENT YEAR: 16

20090130 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: CH
 PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG PIF
 Alive
UP 2009-06

28 / 63 PLUSPAT - Worldwide Patents -

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ES2137984

PN  ES2137984 T3 20000101 [ES2137984]

STG (T3) Translation of granted European patent (former B3)

OTI (T3) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.

PA (T3) ATOCHEM NORTH AMERICA ELF

PA0 ELF ATOCHEM NORTH AMERICA, INC.

IN (T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (T3) C03C-017/245

AP ES93901245T 19921221 [1993ES-0901245]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/00 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

UP 2000-17

1 / 2 LEGALI - ©EPO

PN  EP0573639 A1 19931215 [EP-573639](A1) Application published with search report

 EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report

 EP0573639 B1 19991027 [EP-573639](B1) Patent specification

AP EP93901245 19921221 [1993EP-0901245]

PUB 19921221 EP-API [POS; EXM]

FILING DETAILS

EP93901245 19921221 [1993EP-0901245]

19931215 EP-A1 [POS; EXM]
Application published with search report
EP0573639 A1 19931215 [EP-573639]
19950104 EP-A4 [POS; EXM]
Supplementary search report
EP0573639 A4 19950104 [EP-573639]
19991027 EP-B1 [POS; PIF]
Patent specification
EP0573639 B1 19991027 [EP-573639]

ACTE 19931215 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19931215 EP/17P-A [POS; EXM]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19930806
19941228 EP/RHK1-A [CCL]
MAIN CLASSIFICATION (CORRECTION)
C03C-017/245
19950104 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19950104 EP/A4-A [POS; ADM]
SUPPLEMENTARY SEARCH REPORT
EFFECTIVE DATE: 19941115
19950823 EP/17Q-A [POS; EXM]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 19950710
19960110 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19960110 EP/RAP3-A [NMC]
APPLICANT CHANGE OF NAME (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19980415 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.
19991027 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
19991027 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: AT 186039 19991115 [ATE186039]
19991029 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
19991029 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
19991105 EP/ITF-A [POS; ENP]
IT: TRANSLATION FOR A EP PATENT FILED
OWNER: BARZANO' E ZANARDO ROMA S.P.A.
19991202 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69230219 19991202 [DE69230219]
19991203 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20000101 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat: ES 2137984 0 [ES2137984]
20000126 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE

20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20000229 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 19991116
AVAILABILITY OF NATIONAL TRANSLATION
20001011 EP/2BN-A [POS; OPP]
NO OPPOSITION FILED
20001031 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.
20001229 EP/REG-A; PT/PD4A [NMC]
REFERENCE TO A NATIONAL CODE
PT: CHANGE OF PROPRIETORSHIP
Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20010629 EP/REG-A; FR/CA [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF ADDRESS
Corresponding cc: FR
20020101 EP/REG-A; GB/IF02 [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
Corresponding cc: GB
20021120 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: MC
PAYMENT DATE: 20021120; PAYMENT YEAR: 11
20031231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20031231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
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Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
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Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) -
TRANSFER TO - ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
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FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
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TO EPO
Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15
20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070222 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070222; PAYMENT YEAR: 15
20071015 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA
INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16
 20080430 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: ES
 PAYMENT DATE: 20080118; PAYMENT YEAR: 16
 20080430 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: FR
 PAYMENT DATE: 20071210; PAYMENT YEAR: 16
 20080430 EP/PG25-A [NEG; RLW]
 LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
 TO EPO
 Corresponding cc: GR
 EFFECTIVE DATE: 19991027
 LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
 20080530 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: IT
 PAYMENT DATE: 20071228; PAYMENT YEAR: 16
 20080530 EP/PG25-A [NEG; RLW]
 LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
 TO EPO
 Corresponding cc: GR
 EFFECTIVE DATE: 19991027
 LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
 20090130 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: CH
 PAYMENT DATE: 20081230; PAYMENT YEAR: 17
 20090227 EP/PGFP-A [POS; PIF]
 POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
 Corresponding cc: BE
 PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG	PIF
	Alive
UP	2009-10

2 / 2 LEGALI -@EPO

PN	ES2137984 T3 20000101 [ES2137984](T3) Translation of granted European patent (former B3)
AP	ES93901245T 19921221 [1993ES-0901245]
PUB	19921221 ES-API [POS; EXM] FILING DETAILS ES93901245T 19921221 [1993ES-0901245] 20000101 ES-T3 [POS; EXM] Translation of granted European patent (former B3) ES2137984 T3 20000101 [ES2137984]

ACTE	20000101 ES/FG2A-T [ENP] DEFINITIVE PROTECTION Corresponding Doc: ES 573639
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LEG	ENP
	Alive
UP	2003-22

29 / 63 PLUSPAT - Worldwide Patents -

©Questel	
ES2221257	
PN	ES2221257 T3 20041216 [ES2221257]
STG	(T3) Translation of granted European patent (former B3)
OTI	(T3) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.

PA	(T3) ATOFINA CHEM INC
PA0	ATOFINA CHEMICALS, INC.
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C03C-017/23 C03C-017/245
LA	SPANISH (SPA)
AP	ES99106266T 19921221 [1999ES-0106266]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2005-04

1 / 1 LEGALI - ©EPO

PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report EP0927706 A3 19991229 [EP-927706](A3) Search report EP0927706 B1 20040804 [EP-927706](B1) Patent specification
AP	EP99106266 19921221 [1999EP-0106266]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266] 19990707 EP-A2 [POS; EXM] Application published without search report EP0927706 A2 19990707 [EP-927706] 19991229 EP-A3 [POS; EXM] Search report EP0927706 A3 19991229 [EP-927706] 20040804 EP-B1 [POS; PIF] Patent specification EP0927706 B1 20040804 [EP-927706]
ACTE	19990707 EP/AC-A [ADM] DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat EP 573639 0 [EP-573639] 19990707 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991229 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20000705 EP/17P-A [POS; EXM]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000508
20010530 EP/RAP1-A [NMC]
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ATOFINA CHEMICALS, INC.
20010926 EP/17Q-A [POS; EXM]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010809
20040804 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 0573639 0 [EP-573639]
20040804 EP/AK-A [POS; ADM]
DESIGNATED CONTRACTING STATES:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
20040804 EP/REG-A; GB/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
GB: EUROPEAN PATENT GRANTED
Corresponding cc: GB
20040813 EP/REG-A; CH/EP [POS; ENP]
REFERENCE TO A NATIONAL CODE
CH: ENTRY IN THE NATIONAL PHASE
Corresponding cc: CH
20040831 EP/REG-A; CH/NV [NMC]
REFERENCE TO A NATIONAL CODE
CH: NEW AGENT
Corresponding cc: CH
REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE
20040908 EP/REG-A; IE/FG4D [POS; PIF]
REFERENCE TO A NATIONAL CODE
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
Corresponding cc: IE
20040909 EP/REF-A [ENP]
CORRESPONDS TO:
Corresponding Pat: DE 69233396 20040909 [DE69233396]
20041126 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GR
PAYMENT DATE: 20041126; PAYMENT YEAR: 13
20041130 EP/REG-A; PT/SC4A [POS; EXM]
REFERENCE TO A NATIONAL CODE
PT: TRANSLATION IS AVAILABLE
Corresponding cc: PT
EFFECTIVE DATE: 20040914
AVAILABILITY OF NATIONAL TRANSLATION
20041205 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: NL
PAYMENT DATE: 20041205; PAYMENT YEAR: 13
20041206 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: SE
PAYMENT DATE: 20041206; PAYMENT YEAR: 13
20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]
REFERENCE TO A NATIONAL CODE
DK: TRANSLATION OF EP PATENT
Corresponding cc: DK
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: PT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041213 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: AT
PAYMENT DATE: 20041213; PAYMENT YEAR: 13
20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: GB
PAYMENT DATE: 20041215; PAYMENT YEAR: 13
20041216 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DE
PAYMENT DATE: 20041216; PAYMENT YEAR: 13
20041216 EP/REG-A; ES/FG2A [ENP]
REFERENCE TO A NATIONAL CODE
ES: DEFINITIVE PROTECTION
Corresponding Pat. ES 2221257 0 [ES2221257]
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: DK
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041217 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IE
PAYMENT DATE: 20041217; PAYMENT YEAR: 13
20041228 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: LU
PAYMENT DATE: 20041228; PAYMENT YEAR: 13
20041231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: MC
EFFECTIVE DATE: 20041231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20050315 EP/REG-A; CH/PFA [NMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER
TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20050520 EP/ET-A [POS; ENP]
FR: TRANSLATION FILED
20050629 EP/26-A [NEG; OPP]
OPPOSITION FILED
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050706 EP/R26-A [NEG; OPP]
OPPOSITION FILED (CORRECTION)
OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504
20050901 EP/NLR1-A [NEG; OPP]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: PPG INDUSTRIES, INC.
20051118 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION
Corresponding cc: FR
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: IE
EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051221 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE
TO EPO
Corresponding cc: GB

EFFECTIVE DATE: 20051221
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051222 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: SE
EFFECTIVE DATE: 20051222
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20051231 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: LU
EFFECTIVE DATE: 20051231
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060102 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: DK
EFFECTIVE DATE: 20060102
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060621 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: PT
EFFECTIVE DATE: 20060621
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: DE
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060701 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: NL
EFFECTIVE DATE: 20060701
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20060731 EP/REG-A; DK/EBP [NEG; RLW]
REFERENCE TO A NATIONAL CODE
DK: PATENT LAPSED
Corresponding cc: DK
20060822 EP/EUG-A [NEG; RLW]
SE: EUROPEAN PATENT HAS LAPSED
20060823 EP/GBPC-A [NEG; RLW]
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
EFFECTIVE DATE: 20051221
20060831 EP/REG-A; PT/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES;SEARCHED & EXAMINED PATENT
Corresponding cc: PT
EFFECTIVE DATE: 20060621
20060901 EP/NLV4-A [NEG; RLW]
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
EFFECTIVE DATE: 20060701
20061004 EP/REG-A; IE/MM4A [NEG; RLW]
REFERENCE TO A NATIONAL CODE
IE: PATENT LAPSED
Corresponding cc: IE
20061208 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20061208; PAYMENT YEAR: 15
20061227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20061231; PAYMENT YEAR: 15
20070122 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20070122; PAYMENT YEAR: 15
20070227 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20070227; PAYMENT YEAR: 15
20070502 EP/27C-A [POS; OPP]
TERMINATION OF OPPOSITION PROCEDURE
EFFECTIVE DATE: 20061118
20071015 EP/REG-A; CH/PFA [INMC]
REFERENCE TO A NATIONAL CODE
CH: NAME/FIRM CHANGED
Corresponding cc: CH
OWNER: ARKEMA INC.
ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)
20080229 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20071213; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: ES
PAYMENT DATE: 20080118; PAYMENT YEAR: 16
20080430 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: FR
PAYMENT DATE: 20071210; PAYMENT YEAR: 16
20080430 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080530 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: IT
PAYMENT DATE: 20071228; PAYMENT YEAR: 16
20080530 EP/PG25-A [NEG; RLW]
LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
Corresponding cc: GR
EFFECTIVE DATE: 20040804
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
20080829 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: BE
PAYMENT DATE: 20080314; PAYMENT YEAR: 16
20090130 EP/PGFP-A [POS; PIF]
POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Corresponding cc: CH
PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG	PIF
	Alive
UP	2009-06

30 / 63 PLUSPAT - Worldwide Patents - 
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GR3031624 (T3) COATING COMPOSITION FOR GLASS.

PN	GR3031624 T3 20000131 [GR3031624]
STG	(T3) Transl. Of EP patent
TI	(T3) COATING COMPOSITION FOR GLASS.
PA	(T3) ATOCHEM NORTH AMERICA ELF (US)
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C07F-007/22 G01G-019/02
AP	GR99402439T 19991029 [1999GR-0402439]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-10

31 / 63 PLUSPAT - Worldwide Patents -

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HU9302411 (D0) METHOD FOR COATING END-SUBSTRATUM

PN	HU9302411 D0 19940328 [HU9302411]
STG	(D0) Filing application
TI	(D0) METHOD FOR COATING END-SUBSTRATUM
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) B05D-005/06 C23C-016/22 C23C-016/40
PN2	HU67686 A2 19950428 [HUT067686]
STG2	(A2) Examined patent application
TI2	(A2) METHOD FOR COATING GLASS SUBSTRATES
PA2	(A2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) B05D-005/06 C23C-016/22 C23C-016/40
AP	HU9302411 19921221 [1993HU-0002411]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 1 LEGALI - @EPO

PN	HU9302411 D0 19940328 [HU9302411](D0) Filing application
	HU67686 A2 19950428 [HUT067686](A2) Examined patent application
AP	HU9302411 19921221 [1993HU-0002411]
PUB	19921221 HU-API [POS; EXM] FILING DETAILS HU9302411 19921221 [1993HU-0002411] 19940328 HU-D0 [POS; EXM] Filing application HU9302411 D0 19940328 [HU9302411] 19950428 HU-A2 [POS; EXM] Examined patent application HU67686 A2 19950428 [HUT067686]
ACTE	19960828 HU/DFC4-A [NIF] CANCELLATION OF TEMPORARY PROT. DUE TO REFUSAL
LEG	NIF Dead
UP	2003-22

32 / 63 PLUSPAT - Worldwide Patents -

HU9302412 (D0) COATING COMPOSITIONS FOR GLASS	
PN	HU9302412 D0 19931228 [HU9302412]
STG	(D0) Filing application
TI	(D0) COATING COMPOSITIONS FOR GLASS
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) C07F-007/22 G01G-019/02
PN2	HU67335 A2 19950328 [HUT067335]
STG2	(A2) Examined patent application
TI2	(A2) COATING COMPOSITION FOR GLASS
PA2	(A2) ATOCHEM NORTH AMERICA ELF (US)

IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) C07F-007/22 G01G-019/02
PN3	HU214047 B 19971229 [HU-214047]
STG3	(B) Patent with search report
T13	(B) COATING COMPOSITION FOR GLASS
PA3	(B) ATOCHEM NORTH AMERICA ELF (US)
IN3	(B) DIRKX RYAN R (US); FLORCZAK GLENN P (US); RUSSO DAVID A (US)
IC3	(B) C07F-007/22 G01G-019/02
AP	HU9302412 19921221 [1993HU-0002412]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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PN	HU9302412 D0 19931228 [HU9302412](D0) Filing application
	HU67335 A2 19950328 [HUT067335](A2) Examined patent application
	HU214047 B 19971229 [HU-214047](B) Patent with search report
AP	HU9302412 19921221 [1993HU-0002412]
PUB	19921221 HU-API [POS; EXM] FILING DETAILS HU9302412 19921221 [1993HU-0002412] 19931228 HU-D0 [POS; EXM] Filing application HU9302412 D0 19931228 [HU9302412] 19950328 HU-A2 [POS; EXM] Examined patent application HU67335 A2 19950328 [HUT067335] 19971229 HU-B [POS; PIF] Patent with search report HU214047 B 19971229 [HU-214047]
ACTE	20070928 HU/MM4A-A [NEG; NIF] LAPSE OF DEFINITIVE PATENT PROTECTION DUE TO NON-PAYMENT OF FEES
LEG	NIF Dead
UP	2007-46

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33 / 63 PLUSPAT - Worldwide Patents -



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HU9302413 (D0) COATED GLASS ARTICLE

PN	HU9302413 D0 19940328 [HU9302413]
STG	(D0) Filing application
TI	(D0) COATED GLASS ARTICLE
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) B32B-017/06
PN2	HU67158 A2 19950228 [HUT067158]
STG2	(A2) Examined patent application
T12	(A2) COATED GLASS ARTICLE
PA2	(A2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) B32B-017/06
AP	HU9302413 19921221 [1993HU-0002413]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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PN	HU9302413 D0 19940328 [HU9302413](D0) Filing application
AP	HU67158 A2 19950228 [HUT067158](A2) Examined patent application
PUB	HU9302413 19921221 [1993HU-0002413]
FILING DETAILS	HU9302413 19921221 [1993HU-0002413] 19940328 HU-D0 [POS; EXM] Filing application
	HU9302413 D0 19940328 [HU9302413] 19950228 HU-A2 [POS; EXM] Examined patent application

HU67158 A2 19950228 [HUT067158]
ACTE 19960628 HU/DFC4-A [NIF] CANCELLATION OF TEMPORARY PROT. DUE TO REFUSAL
LEG NIF Dead
UP 2003-22

34 / 63 PLUSPAT - Worldwide Patents -

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JP06505957

PN	JP6505957 T 19940707 [JP06505957]
STG	(T) Unexam. Pat. Appl. On foreign appl.
IC	(T) C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40
PN2	JP3485918 B2 20040113 [JP3485918]
STG2	(B2) Grant. Pat. With A from 2500000 on
IC2	(B2) C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40
AP	JP51173493T 19921221 [1992JP-0511734]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

35 / 63 PLUSPAT - Worldwide Patents -

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JP06505695

PN	JP6505695 T 19940630 [JP06505695]
STG	(T) Unexam. Pat. Appl. On foreign appl.
IC	(T) C03C-017/245 C07F-007/22
AP	JP51173592T 19921221 [1992JP-0511735]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

36 / 63 PLUSPAT - Worldwide Patents -

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JP3485919

PN JP3485919 B2 20040113 [JP3485919]

STG (B2) Grant. Pat. With A from 2500000 on

IC (B2) C03C-017/245 C03C-017/34 C07F-007/22 C23C-016/22 C23C-016/40

AP JP51173593T 19921221 [1993JP-0511735]

PR US81436691 19911226 [1991US-0814366]
US81435291 19911227 [1991US-0814352]
WOUS9210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]
B32B-017/00 [2006-01 A L I R M JP]
B32B-017/00 [2006-01 A - I R M EP]
C03C-017/245 [2006-01 A - I R M EP]
C03C-017/34 [2006-01 A - I R M EP]
C07F-007/22 [2006-01 A L I R M JP]
C23C-016/22 [2006-01 A L I R M JP]
C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
B32B-017/00 [2006 C L I R M JP]
B32B-017/00 [2006 C - I R M EP]
C03C-017/23 [2006 C - I R M EP]
C03C-017/34 [2006 C - I R M EP]
C07F-007/00 [2006 C L I R M JP]
C23C-016/22 [2006 C L I R M JP]
C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
C03C-017/245
C03C-017/34D2
C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

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37 / 63 PLUSPAT - Worldwide Patents -

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JP06505696

PN JP6505696 T 19940630 [JP06505696]

STG (T) Unexam. Pat. Appl. On foreign appl.

IC (T) B32B-009/00 B32B-017/00 C03C-017/245 C03C-017/34

AP JP51173692T 19921221 [1992JP-0511736]

PR WOUS9210874 19921221 [1992WO-US10874]

US81435291 19911227 [1991US-0814352]

US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M J P]

B32B-017/00 [2006-01 A L I R M J P]

B32B-017/06 [2006-01 A - I R M E P]

C03C-017/245 [2006-01 A - I R M E P]

C03C-017/34 [2006-01 A - I R M E P]

C07F-007/22 [2006-01 A L I R M J P]

C23C-016/22 [2006-01 A L I R M J P]

C23C-016/40 [2006-01 A - I R M E P]

ICCA B32B-009/00 [2006 C F I R M J P]

B32B-017/00 [2006 C L I R M J P]

B32B-017/06 [2006 C - I R M E P]

C03C-017/23 [2006 C - I R M E P]

C03C-017/34 [2006 C - I R M E P]

C07F-007/00 [2006 C L I R M J P]

C23C-016/22 [2006 C L I R M J P]

C23C-016/40 [2006 C - I R M E P]

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C03C-017/245

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C23C-016/40B

ICO M03C-217/152

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38 / 63 PLUSPAT - Worldwide Patents -



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JP3485920

PN JP3485920 B2 20040113 [JP3485920]

STG (B2) Grant. Pat. With A from 2500000 on

IC (B2) B32B-009/00 B32B-017/00 C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40

AP JP51173693T 19921221 [1993JP-0511736]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210874 19921221 [1992WO-US10874]

ICAA B32B-009/00 [2006-01 A F I R M J P]

B32B-017/00 [2006-01 A L I R M J P]

B32B-017/06 [2006-01 A - I R M E P]

C03C-017/245 [2006-01 A - I R M E P]

C03C-017/34 [2006-01 A - I R M E P]

C07F-007/22 [2006-01 A L I R M J P]

C23C-016/22 [2006-01 A L I R M J P]

C23C-016/40 [2006-01 A - I R M E P]

ICCA B32B-009/00 [2006 C F I R M J P]

B32B-017/00 [2006 C L I R M J P]

B32B-017/06 [2006 C - I R M E P]

C03C-017/23 [2006 C - I R M E P]

C03C-017/34 [2006 C - I R M E P]

C07F-007/00 [2006 C L I R M J P]

C23C-016/22 [2006 C L I R M J P]

C23C-016/40 [2006 C - I R M EP]

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C03C-017/245
C03C-017/34D2
C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

UP 2004-06

39 / 63 PLUSPAT - Worldwide Patents -

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KR100238740 (B1) METHOD FOR COATING GLASS SUBSTRATES

PN KR100238740 B1 20000115 [KR100238740]

STG (B1) Patent specification

TI (B1) METHOD FOR COATING GLASS SUBSTRATES

PA (B1) ATOCHEM NORTH AMERICA ELF (US)

PA0 ELF ATOCHEM NORTH AMERICA INC. (US)

IN (B1) RUSSO DAVID A (US); DIRX RYAN R (US); FLORCZAK GLENN P (US)

IC (B1) C03C-017/245

AP KR937002538 19930825 [1993KR-7002538]

PR US81436691 19911226 [1991US-0814366]
US81435291 19911227 [1991US-0814352]
WOUS9210872 19921221 [1992WO-US10872]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34D2

C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

UP 2009-03

40 / 63 PLUSPAT - Worldwide Patents -

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KR100238920 (B1) COATING COMPOSITION FOR GLASS

PN KR100238920 B1 20000115 [KR100238920]

STG (B1) Patent specification

TI (B1) COATING COMPOSITION FOR GLASS

PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA INC. (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B32B-017/06 G07F-007/22
AP	KR937002539 19930825 [1993KR-7002539]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2009-03

41 / 63 PLUSPAT - Worldwide Patents -



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KR100243801 (B1) COATED GLASS ARTICLE

PN	KR100243801 B1 20000302 [KR100243801]
STG	(B1) Patent specification
TI	(B1) COATED GLASS ARTICLE
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA INC. (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B32B-017/06
AP	KR937002540 19930825 [1993KR-7002540]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]
C03C-017/23 [2006 C - I R M EP]
C03C-017/34 [2006 C - I R M EP]
C07F-007/00 [2006 C L I R M JP]
C23C-016/22 [2006 C L I R M JP]
C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
C03C-017/245
C03C-017/34D2
C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

UP 2009-03

42 / 63 PLUSPAT - Worldwide Patents -

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MX9207591

PN MX9207591 A1 19940630 [MX9207591]

STG (A1) Publ. Patent application

OTI (A1) ARTICULO REVESTIDO.

PA (A1) ATOCHEM NORTH AMERICA ELF (US)

IN (A1) RUSSO DAVID A (US); DIRKX RYAN R; FLORCZAK GLENN P

IC (A1) C03C-017/245

AP MX9207591 19921228 [1992MX-0007591]

PR WOUS9210874 19921221 [1992WO-US10874]
US81436691 19911226 [1991US-0814366]
US81435291 19911227 [1991US-0814352]

ICAA B32B-009/00 [2006-01 A F I R M JP]
B32B-017/00 [2006-01 A L I R M JP]
B32B-017/06 [2006-01 A - I R M EP]
C03C-017/245 [2006-01 A - I R M EP]
C03C-017/34 [2006-01 A - I R M EP]
C07F-007/22 [2006-01 A L I R M JP]
C23C-016/22 [2006-01 A L I R M JP]
C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
B32B-017/00 [2006 C L I R M JP]
B32B-017/06 [2006 C - I R M EP]
C03C-017/23 [2006 C - I R M EP]
C03C-017/34 [2006 C - I R M EP]
C07F-007/00 [2006 C L I R M JP]
C23C-016/22 [2006 C L I R M JP]
C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
C03C-017/245
C03C-017/34D2
C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

43 / 63 PLUSPAT - Worldwide Patents -

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MX9207592

PN MX9207592 A1 19940630 [MX9207592]

STG	(A1) Publ. Patent application
OTI	(A1) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R; FLORCZAK GLENN P
IC	(A1) C03C-015/00
AP	MX9207592 19921228 [1992MX-0007592]
PR	WOUS9210873 19921221 [1992WO-US10873] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M J P] B32B-017/00 [2006-01 A L I R M J P] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M J P] C23C-016/22 [2006-01 A L I R M J P] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M J P] B32B-017/00 [2006 C L I R M J P] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M J P] C23C-016/22 [2006 C L I R M J P] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

44 / 63 PLUSPAT - Worldwide Patents -

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NO9303029

PN	NO9303029 D0 19930825 [NO9303029]
STG	(D0) Application filed
OTI	(D0) FREMGANGSMAATE VED BELEGGING AV ET GLASS SUBSTRAT
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC	(D0) C03C
PN2	NO9303029 A 19931022 [NO9303029]
STG2	(A) Unex. Applic. Open to publi inspec
OTI2	(A) FREMGANGSMAATE VED BELEGGING AV ET GLASS SUBSTRAT
PA2	(A) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC2	(A) C03C
PN3	NO316641 B1 20040322 [NO-316641]
STG3	(B1) Granted patents
OTI3	(B1) Fremgangsmate ved belegging av et glass-substrat
PA3	(B1) ARKEMA INC (US)
IN3	(B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)
IC3	(B1) C03C-017/245

AP	NO933029 19930825 [1993NO-0003029]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

45 / 63 PLUSPAT - Worldwide Patents -

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NO9303030

PN NO933030 D0 19930825 [NO9303030]

STG (D0) Application filed

OTI (D0) BELEGNINGSBLANDING FOR GLASS

PA (D0) ATOCHEM NORTH AMERICA ELF (US)

IN (D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R

IC (D0) C03C

PN2 NO933030 A 19931022 [NO9303030]

STG2 (A) Unex. Applic. Open to public inspec

OTI2 (A) BELEGNINGSBLANDING FOR GLASS

PA2 (A) ATOCHEM NORTH AMERICA ELF (US)

IN2 (A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R

IC2 (A) C03C

PN3 NO316642 B1 20040322 [NO-316642]

STG3 (B1) Granted patents

OTI3 (B1) Belegningsblanding for glass og anvendelse derav

PA3 (B1) ARKEMA INC (US)

IN3 (B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)

IC3 (B1) C03C-017/245

AP NO933030 19930825 [1993NO-0003030]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210873 19921221 [1992WO-US10873]

ICAA B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

46 / 63 PLUSPAT - Worldwide Patents -

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NO9303031

PN	NO9303031 D0 19930825 [NO9303031]
STG	(D0) Application filed
OTI	(D0) BELAGT GLASSARTIKKEL
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC	(D0) C03C
PN2	NO9303031 A 19931022 [NO9303031]
STG2	(A) Unex. Applic. Open to public inspec
OTI2	(A) FREMGANGSMAATE VED BELEGGING AV ET GLASSUBSTRAT
PA2	(A) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC2	(A) C03C
PN3	NO316683 B1 20040326 [NO-316683]
STG3	(B1) Granted patents
OTI3	(B1) Belagt glassartikkkel
PA3	(B1) ARKEMA INC (US)
IN3	(B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)
IC3	(B1) C03C-017/245
AP	NO9303031 19930825 [1993NO-0003031]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP]

	C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

47 / 63 PLUSPAT - Worldwide Patents -

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NZ-246459 (A) GASEOUS TIN- AND SILICON- CONTAINING COMPOSITIONS FOR DEPOSITING OXIDES O...

PN	NZ246459 A 19951221 [NZ-246459]
STG	(A) Comp. Specification accepted
TI	(A) GASEOUS TIN- AND SILICON- CONTAINING COMPOSITIONS FOR DEPOSITING OXIDES ON GLASS
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	(A) C03C-017/245 C23C-016/40
AP	NZ24645992 19921221 [1992NZ-0246459]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 1 LEGALI - ©EPO

PN	NZ246459 A 19951221 [NZ-246459](A) Patent application
AP	NZ24645992 19921221 [1992NZ-0246459]

PUB	19921221 NZ-API [POS; EXM] FILING DETAILS NZ24645992 19921221 [1992NZ-0246459] 19951221 NZ-A [POS; EXM] Patent application NZ246459 A 19951221 [NZ-246459]
ACTE	20021220 NZ/RENW-A [POS; PIF] RENEWAL
LEG	PIF Alive
UP	2006-40

48 / 63 PLUSPAT - Worldwide Patents -

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PL-169649 (B1) METHOD OF COATING A GLAS SUBSTRATE

PN	PL169649 B1 19960830 [PL-169649]
STG	(B1) Patent
TI	(B1) METHOD OF COATING A GLAS SUBSTRATE
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B05D-005/06 C23C-016/22 C23C-016/40
AP	PL30048092 19921221 [1992PL-0300480]
PR	WOUS9210872 19921221 [1992WO-US10872] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

49 / 63 PLUSPAT - Worldwide Patents -

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PL-169456 (B1) GLASS COATING COMPOSITION

PN	PL169456 B1 19960731 [PL-169456]
STG	(B1) Patent
TI	(B1) GLASS COATING COMPOSITION
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)

IN (B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC (B1) C03C-017/22
AP PL30048192 19921221 [1992PL-0300481]
PR WOUS9210873 19921221 [1992WO-US10873]
US81435291 19911227 [1991US-0814352]
ICAA C03C-017/22 [2006-01 A - I R M EP]
ICCA C03C-017/22 [2006 C - I R M EP]
DT Corresponding document

50 / 63 PLUSPAT - Worldwide Patents -

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PT-101159 (A) Process for the coating of glass substrates

PN PT101159 A 19940228 [PT-101159]
STG (A) Application
TI (A) Process for the coating of glass substrates
OTI (A) PROCESSO DE REVESTIMENTO DE SUBSTRATOS DE VIDRO
PA (B) ATOCHEM NORTH AMERICA ELF (US)
IN (A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC (A) C03C-017/09
PN2 PT101159 B 19990930 [PT-101159]
STG2 (B) Granted patent
OTI2 (B) PROCESSO DE REVESTIMENTO DE SUBSTRATOS DE VIDRO
PA2 (B) ATOCHEM NORTH AMERICA ELF (US)
IN2 (B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2 (B) C03C-017/245
AP PT10115992 19921228 [1992PT-0101159]
PR WOUS9210872 19921221 [1992WO-US10872]
US81435291 19911227 [1991US-0814352]
US81436691 19911226 [1991US-0814366]
ICAA B32B-009/00 [2006-01 A F I R M JP]
B32B-017/02 [2006-01 A L I R M JP]
B32B-017/06 [2006-01 A - I R M EP]
C03C-017/245 [2006-01 A - I R M EP]
C03C-017/34 [2006-01 A - I R M EP]
C07F-007/22 [2006-01 A L I R M JP]
C23C-016/22 [2006-01 A L I R M JP]
C23C-016/40 [2006-01 A - I R M EP]
ICCA B32B-009/00 [2006 C F I R M JP]
B32B-017/00 [2006 C L I R M JP]
B32B-017/06 [2006 C - I R M EP]
C03C-017/23 [2006 C - I R M EP]
C03C-017/34 [2006 C - I R M EP]
C07F-007/00 [2006 C L I R M JP]
C23C-016/22 [2006 C L I R M JP]
C23C-016/40 [2006 C - I R M EP]
EC B32B-017/06
C03C-017/245
C03C-017/34D2
C23C-016/40B
ICO M03C-217/152
M03C-217/230
DT Corresponding document

PN	PT101159 A 19940228 [PT-101159](A) Application for patent of invention PT101159 B 19990930 [PT-101159](B) Patent of invention
AP	PT10115992 19921228 [1992PT-0101159]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10115992 19921228 [1992PT-0101159] 19940228 PT-A [POS; EXM] Application for patent of invention PT101159 A 19940228 [PT-101159] 19990930 PT-B [POS; PIF] Patent of invention PT101159 B 19990930 [PT-101159]
ACTE	19940228 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19930721 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990622 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC] CHANGE OF ADDRESS (PATENT) OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114
LEG	NMC Alive
UP	2003-22

51 / 63 PLUSPAT - Worldwide Patents -

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PT-101160 (A) Glass coating composition based on a tin oxide precursor, a silicon oxide...

PN	PT101160 A 19940531 [PT-101160]
STG	(A) Application
TI	(A) Glass coating composition based on a tin oxide precursor, a silicon oxide precursor and an accelerator
OTI	(A) COMPOSICAO DE REVESTIMENTO DE VIDRO, A BASE DE UM PRECURSOR DE OXIDO DE ESTANHOUM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/00
PN2	PT101160 B 19990930 [PT-101160]
STG2	(B) Granted patent
OTI2	(B) COMPOSICAO DE REVESTIMENTO DE VIDRO, A BASE DE UM PRECURSOR DE OXIDO DE ESTANHOUM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA2	(B) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2	(B) C03C-017/245
AP	PT10116092 19921228 [1992PT-0101160]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP]

	C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/02 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 1 LEGALI - ©EPO

PN	PT101160 A 19940531 [PT-101160](A) Application for patent of invention PT101160 B 19990930 [PT-101160](B) Patent of invention
AP	PT10116092 19921228 [1992PT-0101160]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10116092 19921228 [1992PT-0101160] 19940531 PT-A [POS; EXM] Application for patent of invention PT101160 A 19940531 [PT-101160] 19990930 PT-B [POS; PIF] Patent of invention PT101160 B 19990930 [PT-101160]
ACTE	19940531 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19931210 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990624 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC] CHANGE OF ADDRESS (PATENT) OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114
LEG	NMC Alive
UP	2003-22

52 / 63 PLUSPAT - Worldwide Patents -

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PT-101161

PN	PT101161 A 19940331 [PT-101161]
STG	(A) Application
OTI	(A) ARTIGO REVESTIDO COM UMA COMPOSICAO A BASE DE UM PRECURSOR DE OXIDO DE ESTANHO, DE UM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/00

PN2	PT101161 B 19990930 [PT-101161]
STG2	(B) Granted patent
OTI2	(B) ARTIGO REVESTIDO COM UMA COMPOSICAO A BASE DE UM PRECURSOR DE OXIDO DE ESTANHO, DE UM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA2	(B) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2	(B) C03C-017/245
AP	PT10116192 19921228 [1992PT-0101161]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

1 / 1 LEGALI - ©EPO

PN	PT101161 A 19940331 [PT-101161](A) Application for patent of invention PT101161 B 19990930 [PT-101161](B) Patent of invention
AP	PT10116192 19921228 [1992PT-0101161]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10116192 19921228 [1992PT-0101161] 19940331 PT-A [POS; EXM] Application for patent of invention PT101161 A 19940331 [PT-101161] 19990930 PT-B [POS; PIF] Patent of invention PT101161 B 19990930 [PT-101161]
ACTE	19940331 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19930820 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990624 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC]

CHANGE OF ADDRESS (PATENT)
 OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114

LEG NMC
 Alive
 UP 2003-22

53 / 63 PLUSPAT - Worldwide Patents -

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PT-927706

PN PT927706 E 20041130 [PT-927706]

STG (E)

OTI (E) COMPOSICAO PARA REVESTIMENTO DE VIDRO

PA (E) ATOFINA CHEM INC (US)

PA0 ATOFINA CHEMICALS, INC. (US)

IN (E) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (E) C03C-017/23 C03C-017/245

AP PT99106266T 19921221 [1999PT-0106266]

PR US81436691 19911226 [1991US-0814366]
US81435291 19911227 [1991US-0814352]

ICAA B32B-009/00 [2006-01 A F I R M JP]
 B32B-017/00 [2006-01 A L I R M JP]
 B32B-017/06 [2006-01 A - I R M EP]
 C03C-017/245 [2006-01 A - I R M EP]
 C03C-017/34 [2006-01 A - I R M EP]
 C07F-007/22 [2006-01 A L I R M JP]
 C23C-016/22 [2006-01 A L I R M JP]
 C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
 B32B-017/00 [2006 C L I R M JP]
 B32B-017/06 [2006 C - I R M EP]
 C03C-017/23 [2006 C - I R M EP]
 C03C-017/34 [2006 C - I R M EP]
 C07F-007/00 [2006 C L I R M JP]
 C23C-016/22 [2006 C L I R M JP]
 C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
 C03C-017/245
 C03C-017/34D2
 C23C-016/40B

ICO M03C-217/152
 M03C-217/230

DT Corresponding document
 UP 2009-13

54 / 63 PLUSPAT - Worldwide Patents -

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RU2118302 (C1) METHOD OF COATING GLASS SUBSTRATE

PN RU2118302 C1 19980827 [RU2118302]

STG (C1) Patent for invention

TI (C1) METHOD OF COATING GLASS SUBSTRATE

PA (C1) ATOCHEM NORTH AMERICA ELF (US)

IN (C1) DEHVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)

IC (C1) C03C-017/245

AP RU93058286 19921221 [1993RU-0058286]

PR	US81436691 19911226 [1991US-0814366]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
DT	Corresponding document
UP	2000-17

55 / 63 PLUSPAT - Worldwide Patents -

©Questel

RU2091340 (C1) ARTICLE MADE BY APPLYING AT LEAST ONE LAYER OF SILICON AND TIN OXIDES MI...

PN	RU2091340 C1 19970927 [RU2091340]
STG	(C1) Patent for invention
TI	(C1) ARTICLE MADE BY APPLYING AT LEAST ONE LAYER OF SILICON AND TIN OXIDES MIXTURE ON GLASS BACKING
PA	(C1) ATOCHEM NORTH AMERICA ELF (US)
IN	(C1) DEVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)
IC	(C1) C03C-017/245
AP	RU93058398 19921221 [1993RU-0058398]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

56 / 63 PLUSPAT - Worldwide Patents -

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RU2102347 (C1) METHOD FOR CHEMICAL VAPOR-PHASE DEPOSITION OF THIN FILMS ONTO GLASS SUBS...

PN	RU2102347 C1 19980120 [RU2102347]
STG	(C1) Patent for invention
TI	(C1) METHOD FOR CHEMICAL VAPOR-PHASE DEPOSITION OF THIN FILMS ONTO GLASS SUBSTRATE
PA	(C1) ATOCHEM NORTH AMERICA ELF (US)
IN	(C1) DEHVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)
IC	(C1) C03C-017/245

AP	RU93058399 19921221 [1993RU-0058399]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-26

57 / 63 PLUSPAT - Worldwide Patents -

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SK9300913 (A3) COATING COMPOSITION FOR GLASS

PN	SK91393 A3 19940112 [SK9300913]
STG	(A3) Application published
TI	(A3) COATING COMPOSITION FOR GLASS
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) C03C-017/09 C07F-007/22
PN2	SK282141 B6 20011106 [SK-282141]
STG2	(B6) Patent
TI2	(B6) METHOD FOR COATING GLASS SUBSTRATES
PA2	(B6) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(B6) C03C-017/245
AP	SK91393 19921221 [1993SK-0000913]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
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B32B-017/06 [2006 C - I R M EP]
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C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06
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C03C-017/34D2
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ICO M03C-217/152
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DT Corresponding document

58 / 63 PLUSPAT - Worldwide Patents -



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SK9300914 (A3) COATED GLASS ARTICLE

PN SK91493 A3 19940112 [SK9300914]

STG (A3) Application published

TI (A3) COATED GLASS ARTICLE

PA (A3) ATOCHEM NORTH AMERICA ELF (US)

IN (A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A3) B32B-017/06

PN2 SK281638 B6 20010611 [SK-281638]

STG2 (B6) Patent

T12 (B6) METHOD FOR COATING GLASS SUBSTRATES

PA2 (B6) ATOCHEM NORTH AMERICA ELF (US)

IN2 (B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC2 (B6) C03C-017/23 C03C-017/245

AP SK91493 19921221 [1993SK-0000914]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210874 19921221 [1992WO-US10874]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

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C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]
B32B-017/00 [2006 C L I R M JP]
B32B-017/06 [2006 C - I R M EP]
C03C-017/23 [2006 C - I R M EP]
C03C-017/34 [2006 C - I R M EP]
C07F-007/00 [2006 C L I R M JP]
C23C-016/22 [2006 C L I R M JP]
C23C-016/40 [2006 C - I R M EP]

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C23C-016/40B

ICO M03C-217/152
M03C-217/230

DT Corresponding document

59 / 63 PLUSPAT - Worldwide Patents -

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SK9300915 (A3) METHOD FOR COATING GLASS SUBSTRATES

PN SK91593 A3 19940112 [SK9300915]

STG (A3) Application published

TI (A3) METHOD FOR COATING GLASS SUBSTRATES

PA (A3) ATOCHEM NORTH AMERICA ELF (US)

IN (A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLEN P (US)

IC (A3) B05D-005/06 C03C-017/09 C03C-017/30 C23C-016/22

PN2 SK282993 B6 20030109 [SK-282993]

STG2 (B6) Patent

T12 (B6) Method for coating glass substrates

PA2 (B6) ATOCHEM NORTH AMERICA ELF (US)

IN2 (B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLEN P (US)

IC2 (B6) B05D-005/06 C03C-017/09 C03C-017/30 C23C-016/22 C23C-016/40

AP SK91593 19921221 [1993SK-0000915]

PR US81436691 19911226 [1991US-0814366]

US81435291 19911227 [1991US-0814352]

WOUS9210872 19921221 [1992WO-US10872]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

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C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

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C03C-017/34D2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DT Corresponding document

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US5401305 (A) Coating composition for glass

PN US5401305 A 19950328 [US5401305]

STG (A) United States patent

TI (A) Coating composition for glass

PA (A) ATOCHEM NORTH AMERICA ELF (US)

PA0 Elf Atochem North America, Inc., Philadelphia PA [US]

IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLEN P (US)

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IC	(A) C09D-005/00
AP	US10412593 19931213 [1993US-0104125]
PR	US10412593 19931213 [1993US-0104125] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/44 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
PCL	ORIGINAL (O) : 106287100; CROSS-REFERENCE (X) : 106287130 106287140 106287150 106287160
DT	Corresponding document

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PN	US5401305 A 19950328 [US5401305](A) Patent
AP	US10412593 19931213 [1993US-0104125]
PUB	19931213 US-API [POS; EXM] FILING DETAILS US10412593 19931213 [1993US-0104125] 19950328 US-A [POS; EXM] Patent US5401305 A 19950328 [US5401305]
ACTE	19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: DIRKX, RYAN R.; EFFECTIVE DATE: 19930212 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: FLORCZAK, GLENN P.; EFFECTIVE DATE: 19930211 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: RUSSO, DAVID A.; EFFECTIVE DATE: 19930210 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: ELF ATOCHEM NORTH AMERICA, INC. 2000 MARKET STREET; EFFECTIVE DATE: 19930210 19960423 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19951017 19990518 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19990407 20000725 US/AS-A [NMC] ASSIGNMENT OWNER: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA 2; EFFECTIVE DATE: 20000619 CHANGE OF NAME:ASSIGNOR:ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF

PENNSYLVANIA;REEL/FRAME:011007/0001
 20041115 US/AS-A [NMC]
 ASSIGNMENT
 OWNER: ARKEMA INC. 2000 MARKET STREETPHILADELPHIA, PENNSY; EFFECTIVE DATE: 20041004
 CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC. /AR/REEL/FRAME:015394/0628
 20041115 US/AS-A [NMC]
 ASSIGNMENT
 OWNER: ARKEMA INC., PENNSYLVANIA; EFFECTIVE DATE: 20041004
 CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC.,REEL/FRAME:015394/0628

LEG NMC
 Alive
UP 2009-10

61 / 63 PLUSPAT - Worldwide Patents -

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WO9312892 (A1) METHOD FOR COATING GLASS SUBSTRATES

PN WO9312892 A1 19930708 [WO9312892]

STG (A1) Publ. Of int. Appl. With int. Search rep

TI (A1) METHOD FOR COATING GLASS SUBSTRATES

PA (A1) ATOCHEM NORTH AMERICA ELF (US)

PA0 ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US)

RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US)

DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US)

FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US)

IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC (A1) B05D-005/06 C23C-016/22 C23C-016/40

LA ENGLISH (ENG)

AP WOUS9210872 19921221 [1992WO-US10872]

PR US81435291 19911227 [1991US-0814352]

US81436691 19911226 [1991US-0814366]

ICAA B32B-009/00 [2006-01 A F I R M JP]

B32B-017/00 [2006-01 A L I R M JP]

B32B-017/06 [2006-01 A - I R M EP]

C03C-017/245 [2006-01 A - I R M EP]

C03C-017/34 [2006-01 A - I R M EP]

C07F-007/22 [2006-01 A L I R M JP]

C23C-016/22 [2006-01 A L I R M JP]

C23C-016/40 [2006-01 A - I R M EP]

ICCA B32B-009/00 [2006 C F I R M JP]

B32B-017/00 [2006 C L I R M JP]

B32B-017/06 [2006 C - I R M EP]

C03C-017/23 [2006 C - I R M EP]

C03C-017/34 [2006 C - I R M EP]

C07F-007/00 [2006 C L I R M JP]

C23C-016/22 [2006 C L I R M JP]

C23C-016/40 [2006 C - I R M EP]

EC B32B-017/06

C03C-017/245

C03C-017/34/2

C23C-016/40B

ICO M03C-217/152

M03C-217/230

DS AU BR CA CS HU JP KR NO NZ PL RU US

European patent : AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

DT Corresponding document

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PN	WO9312892 A1 19930708 [WO9312892](A1) International publication with international search report
AP	WOUS9210872 19921221 [1992WO-US10872]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210872 19921221 [1992WO-US10872] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312892 A1 19930708 [WO9312892]
ACTE	19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Pat: CA 2104592 [CA2104592] 19930824 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] 19930826 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91593 [1993SK-0000915] 19931014 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION KZ 19931207 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104124 19931207 [1993US-0104124] 19940216 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19940518 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION UZ 19950524 WO/WWW [NEG: RLW] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE Corresponding Appl: EP 1993901244 [1993EP-0901244] 20000712 WO/WWG [POS; ADM] WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733]
LEG	ADM Alive
UP	2008-29

62 / 63 PLUSPAT - Worldwide Patents -

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WO9312934 (A1) COATED GLASS ARTICLE

PN	WO9312934 A1 19930708 [WO9312934]
STG	(A1) Publ. Of int. Appl. With int. Search rep
TI	(A1) COATED GLASS ARTICLE
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)

PA0	ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US) RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US) DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US) FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B32B-017/06
LA	ENGLISH (ENG)
AP	WOUS9210874 19921221 [1992WO-US10874]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AU BR CA CS HU JP KR NO NZ PL RU US European patent : AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
DT	Basic

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PN	WO9312934 A1 19930708 [WO9312934](A1) International publication with international search report
AP	WOUS9210874 19921221 [1992WO-US10874]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210874 19921221 [1992WO-US10874] 19930708 WO/A1 [POS; EXM] International publication with international search report WO9312934 A1 19930708 [WO9312934]
ACTE	19930212 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104100 19930212 [1993US-0104100] 19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901246 [1993EP-0901246] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN:

Corresponding Pat: CA 2104590 [CA2104590]
19930824 WO/WWWE [POS; ENP]
WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]
19930826 WO/ENP [ENP]
ENTRY INTO THE NATIONAL PHASE IN:
Corresponding Appl: SK 91493 [1993SK-0000914]
19931014 WO/EX32 [ADM]
EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
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19931215 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: EP 1993901246 [1993EP-0901246]
19940518 WO/WWP [POS; ADM]
WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]
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EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR
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WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE
Corresponding Appl: EP 1993901246 [1993EP-0901246]
20020213 WO/WWG [POS; ADM]
WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]

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63 / 63 PLUSPAT - Worldwide Patents -



WO9313393 (A1) COATING COMPOSITION FOR GLASS

PN WO9313393 A1 19930708 [WO9313393]
STG (A1) Publ. Of Int. Appl. Wth Int. Search rep
TI (A1) COATING COMPOSITION FOR GLASS
PA (A1) ATOCHEM NORTH AMERICA ELF (US)
PA0 ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US)
RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US)
DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US)
FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US)
IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC (A1) C07F-007/22 G01G-019/02
LA ENGLISH (ENG)
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PR US81435291 19911227 [1991US-0814352]
 US81436691 19911226 [1991US-0814366]
ICAA B32B-009/00 [2006-01 A F I R M JP]
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 C07F-007/22 [2006-01 A L I R M JP]
 C23C-016/22 [2006-01 A L I R M JP]
 C23C-016/40 [2006-01 A - I R M EP]
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